

692

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1069

```

acattaacgg gaagcttcct atagggattg cgggtangcn tcccaggtac cgggtccgga 60
ttccccgggtc gacccacgcg tccgagttat ttgagaattt tggtgaaaaa tatttagctg 120
agggcagtat agaacttata aaccaatata ttgatatttt taaaacattt ttacatataa 180
gtaaactgcc atctttgagc ataactacat ttaaaaaataa agctgcatat ttttaaataca 240
agtgtttaac aagaatttat attttttatt ttttaaaatt aaaaatratt tatatttcct 300
ctgttgcatg aggattctca tctgtgctta taatggttag agattttatt tgtgtggaat 360
gaartgaggc ttgtagtcat ggttctagtg tttcagtttg ccaagtctgt ttactgcagt 420
gaaattcatc aaatgtttca gtgtgstytc ctgtagycta tcatttactg gctatttttt 480
tatgtacacc tttaggattt tctgcctact ctatccagtt gtccaaatga tatcctacat 540
tttacaaatg ccctttcagt ttctattttt tttttccatt aaattgccct catgtcctaa 600
tgtgcagttt gtaagtgtgt gtgtgtgtgt ctgtgtgtgt gtgaatttga ttttcaagag 660
tgctagactt ccaatttgag agattaaata atttaattca ggcaaacatt tttcattgga 720
atttcacagt tcattgtaat gaaaatgtta atcctggatg accttgaca tacagtaatg 780
aatcttgat attaatgaat ttgttagtag catcttgatg tgtgttttaa tgagtatttt 840
tcaaagttgt gcattaaacc aaagttggca tactggaagt gtttatatca agttccattt 900
ggctactgat ggacaaaaaa tagaaatgcc ttctatgga gagtattttt cttttaaaaa 960
attaaaaagg ttaattattt tgactaaaaa aaaaaaaaaa aaaa 1004

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&lt;210&gt; 1070

&lt;211&gt; 1306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1289)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1070

```

accgtccgga ttccccgggtc gacccacgcg tccgtgaggt tacagattat gccattgcca 60
ggcgcatagt agatttgcac tcaagaattg aggaatcaat tgatcgtgtc tattccctcg 120
atgatatcag aagatatctt ctctttgcaa gacagtttaa acccaagatt tccaaagagt 180
cagaggactt cattgtggag caatataaac atctccgcca gagagatggt tctggagtga 240
ccaagtcttc atggaggatt acagtgcgac agcttgagag catgattcgt ctctctgaag 300
ctatggctcg gatgcactgc tgtgatgagg tccaacctaa acatgtgaag gaagctttcc 360
ggttactgaa taaatcaatc atccgtgtgg aaacacctga tgtcaatcta gatcaagagg 420
aagagatcca gatggaggta gatgaggggt ctggtggcat caatgggtcat gctgacagcc 480
ctgctcctgt gaacgggcatc aatggctaca atgaagacat aaatcaagag tctgctccca 540
aagcctcctt aaggctgggc ttctctgagt actgccgaat ctctaacctt attgtgcttc 600
acctcagaaa ggtggaagaa gaagaggacg agtcagcatt aaagaggagc gagcttggtta 660
actggtactt gaaggaaatc gaatcagaga tagactctga agaagaactt ataaataaaa 720
aaagaatcat agagaaagtt attcatcgac tcacacacta tgatcatggt ctaattgagc 780
tcacccaggc tggattgaaa ggctccacag agggaagtga gagctatgaa gaagatccct 840
acttggtagt taaccctaac tacttgctcg aagattgaga tagtgaaagt aactgaccag 900

```

## 693

```

agctgaggaa ctgtggcaca gcacctcgtg gcctggagcc tggctggagc tctgctaggg 960
acagaagtgt ttctggaagt gatgcttcca ggatttgttt tcagaaacaa gaattgagtt 1020
gatggtccta tgtgtcacat tcatcacagg ttccatacca acacaggctt cagcacttcc 1080
tttggtgtgt ttctgtgcc agtgaagttg gaaccaaata atgtgtagtc tctataacca 1140
atacctttgt ttccatgtgt aagaaaaggc ccattacttt taaggatatgt gctgtcctat 1200
tgagcaaata actttttttc aattgccagc tactgctttt attcatcaaa ataaaataac 1260
ttgttctgaa aaaaaaaaaa aaaaaaana aaamaaaaa aaaaaa 1306

```

```

<210> 1071
<211> 150
<212> DNA
<213> Homo sapiens

```

```

<400> 1071
gacttgttct agatcgcgag cggccgccct tttaactggt ttaggtgtgt gtgtccagag 60
tgagcaagga ttatgttttt ggattgtcaa agaggatgct tagtcttaaa ataaaaataa 120
atttaaaaat catcttataa aaaaaaaaaa 150

```

```

<210> 1072
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

```

```

<400> 1072
acgcctgcag gnnaccggtc cggnaattcc cgggtcgagg ggccactctc ctgtctttac 60
tccttttccc ttctctattc ttccaccaga agccctcatt tgaccagtga actcctaggg 120
cctcttgacc cgcacattag ctgggcgatt tccttgttct gctaattcct aattctgctt 180
aaaatgtatt tggatttctg tttttgaaca cttatgatgc caggcaactgt aatgcttgaa 240
acccgatctt tccctagaga atgtaacata cgtttttatt catttaatca cttcattatg 300
ccgggggttaa ttatgtttat ttataaattg gtaataaagg ccacatttat ttttgtaact 360
gtttaaaraa maaaaaaaaa aaaaaa 386

```



694

<210> 1073  
 <211> 623  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (23)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (27)  
 <223> n equals a,t,g, or c

<400> 1073  
 nntgagaaaa acccttgatg tgntganaac catcatgggg accaggatag aaggcttctt 60  
 cccactcaaa gcttttctcc ctggagggtg ggccactgctg ggccatgcac ttcaaagcag 120  
 tgttcctcag caggaaagcg gaggtcacca cttaccggcc tcctccacct tctcggttc 180  
 tcttttctcc atgaaccacag gtcgtccagc aggtacttcc aagttcccag gtctgtctgc 240  
 ctaagagcct tttgaggaga ccgtcctgga gccccatcag tgcccagatc ctgggggtacc 300  
 gaccattgct gtctagcagt gggggatcct gtgggtggga tgggggtggc ttctcatcca 360  
 tgttgcttct gggaagagag gggtgccttt ctgggctagg gaggtggctg gagcttctgc 420  
 cctgaccctc cgctagaaac cagttatata cattgccaca gcaatactgt gtaacaaatc 480  
 cgccaacact cggtaggcctg caacagtcag cactgatcta gggcaggagt cagcagtctg 540  
 ggcaggggtga ttcttctggt ctaggctgkg cttgtttgtt tagggccatg gggtgttaag 600  
 tccccagggg atgctccatg gtg 623

<210> 1074  
 <211> 629  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (450)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

695

&lt;222&gt; (609)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1074

```

cacttttatt aatttgcatg tccttttaat atttatttat tcaaatacta ccgtatggcc 60
caccataatt acccccatat tccttacact attcctcatc acccaactaa aaatatttaa 120
cacaaactac cacctacctc cctcaccaaa gcccataaaa ataaaaaatt ataacaaacc 180
ctgagaacca aaatgaacga aaatctgttc gcttcattca ttgccccac aatcctaggc 240
ctacccgccg cagtactgat cattctatctt cccctctat tgatccccac ctccaaatat 300
ctcatcaaca accgactaat caccacccaa caatgactaa tcaaactaac ctcaaaacaa 360
atgataacca tacacaacac taaaggacga actgatctct tatactagta tccttaatca 420
tttttatttg cacaactaac ctctcggan tcctgcctca ctcatctaca ccaaccaccc 480
aactatctat waacctarcc wtgggcatcc ccttatgarc sggggcagtg awtatagstt 540
tcgctcttaa aattaaaaat gccctagccc cttcttwaca aaagggatat tggtttttgg 600
aatacactnt tttctttgat tttttttaa 629

```

&lt;210&gt; 1075

&lt;211&gt; 556

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1075

```

cgttgcccac cccgggtcccc gccccagac acgcccgggt ctcggggcac cacagccatg 60
tgctcgttag cgtcaggcgc taccggcggc cggggcgctg tggagaatga ggaggacctg 120
ccagaactgt cggacagcgg ggacgaggcc gcctgggagg atgaggacga tgcagatctc 180
ccccacggca agcagcagac cccctgcctg ttctgtaaca ggttattcac atctgctgaa 240
gaaacatctt cacactgtaa gtctgagcat cagtttaata ttgacagcat ggttcataaa 300
catggacttg aattttatgg atacattaag ctaataantt ttattagact taagaatcct 360
acagttgagt acatgaattc catatacaac ccagtgcctt gggagaaaga agagtatttg 420
aagccagtat tagaagatga ccttttactt caatttgatg tagaagatct ttatgaaccg 480
gtgtcagtac ccttctcata ccccaatgga ctcagtgaac atacatctgt tgttgaaaaa 540
ttgaaacata tggaag 556

```

&lt;210&gt; 1076

&lt;211&gt; 420

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1076

```

aagccggaag ttgggggatg acagcagcat catgatgctg gctgtggagt gagcatgggg 60
ctggcgtcga ggccactctg cctcccatgg gtgggccgcc ttagctccyc ctctgcaaaa 120
tagggagctg ttgcaggaca tttcagagct actataagga ctgaaggagg ccccggggaa 180
aagagctctt gatataattaa ggcactgctt agtagtgact atgcttactt tgcgagcagg 240
gaaaccgagg cctgggtagg acagaggggg gcacatgtgt ttactgccct ctccgcccc 300
gactttggtg ccatcagcct ccaccctgt gcgcccgtca agaatttggc ttccacgttc 360
tgctccccgg accctccag cctaacctgt ggatcctgcc acacaaagat gggcttacct 420

```

696

<210> 1077  
 <211> 736  
 <212> DNA  
 <213> Homo sapiens

<400> 1077  
 gattcagtgt ctatttctctg aggaacccaa cttataacac gtagaataaa ctggccaaag 60  
 ttcttaattt tccaatttgt tgcaccagcc ccacgtgacc accaaaagct tttctgggtt 120  
 tccctttccc tcaggagaga cctctttcac agaccaagct tgatccttat tagtccatgt 180  
 ccagaatcag taaatgtccc tagaaaataa aatggccact tacctcagga ggactcctcc 240  
 ctctctggaa ttcccattca cctagtcctt attgctttca tagctctcac atatctttaa 300  
 atatgatctt tataattttt ccatcttttt ctagttgttg caggcaaagt tttaggctgc 360  
 catgacctac tatatcctat ttagaagtgg aagtctctag agagattttc aaaattacag 420  
 atgtgtggat attagctttt ctccctaattt aattgaattg tggtagagaga aggtgttctg 480  
 tattattcaa atagcttaaa atttgctgaa atgggtttat aatcaaatat atgggtcaaat 540  
 ttaatagttc atgtactctt ataaatatgt attctcccat tgttggtatgc aatgcccttt 600  
 gtatgttcat gggatcaagt ttgttgactg ttttgtgtaa atctatatgc aaaatcttga 660  
 tttttgtcta cttgatctgc ttctgaaaga ggaacaataa aacttcccac tgctacggta 720  
 aaaaaaaaaa aaaaaa 736

<210> 1078  
 <211> 899  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<400> 1078  
 agggntggaa cgcccgccagg taccgggtccg gaattcccgg gtcgacccac gcgtccgccc 60  
 acgcgttcgc tggtcgggcta tccattcatt ctccatacag caactagagt cattcttttta 120  
 aaattgcgga cctgatcctt ccatctccca gctgaacgct tttcatttgc ttctgtttct 180  
 catgagtatg ccaaaatgta ttctgggcta ggaggccctg aggaatttgg tccttccctc 240  
 ctccccctc gttttctgtg ctctcgccctc actggcttgc ctttcttttc cttaaataca 300  
 tcatgttctc tcctatttta gatccttttc cccgaaggta tggaaacatt atttctgtaa 360  
 gcttattctt ctatatagat gggaaagttt taaatcagat aaggttctaa gggcatgtgg 420  
 acaatttacg ttatcatagt attgttcata acgtccatca ttattctgta gactgtaagg 480  
 gcttacttag ctctgtgaag aattatcctt caaaaagcat ttttaaggta ttagtattgc 540  
 taatctataa actttgtgca agaagtccta aagtcaatag caacatttat ttaaagtaca 600  
 gtttgtcata cttaataaac ctctgggtata ttttccttta ttatgcttgt taâaaacaca 660  
 gtataaatgg gagaaatcat taaagatcat taactccaag gctgctggat gttaggaccc 720  
 ttaagcatat ttaaaagatt gattgtaatc aagaataact tgtatcagat tgccttccag 780  
 tgattcacat ttattagtct aaccagttac atacctgtag caagagacca gtttatttgg 840  
 caataaaatt ggggaaggaa tcaagactta aatgaggaaa aaaaaaaaaa aaaaaaaaaa 899

<210> 1079  
 <211> 2215  
 <212> DNA

697

&lt;213&gt; Homo sapiens

&lt;400&gt; 1079

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tataaaagaa caaactggat gtggaaaggc tacttgtcca agggcacact gctgctagtg 60
atggagtcca aagttcacat ctgtctgcct ctggaacact catctaacta aagatgaaaa 120
caccgttctt catctttaac ctggcagaaa ctgtcacat gccttcaaaa gtgaaagctc 180
aactctacgc tcaagcatat gacctttata aggagattgt ctatttacia aaggagcacc 240
cagtgaattg gcacaagaac tatgccatcg cctgtgagcg gatgctgcgt cttcaggcaa 300
gagatgcaga tcttgaagtg ctgttatcgg aaaccatcag acatttccgt ctgtactctc 360
agaaagcacc gaatgaccca cagcaagctg atatttttagg tgctctaaag cacctaagaa 420
aagaactgca aagtctgaga aataggaaaa atgtctgaga cagcaaaata tgaaaaacct 480
gctcatcggt cagcttccaa aattctgaag tctggaagtt tttccttcaa agaaaagaaa 540
ctgcataaaa aatttaaaac taagtcatct cccagatata agtatcatgg tccagcagta 600
ctgtttaatg gggatattcag tgactaaggt ctgctattta tgcaaaattc tgtttatccc 660
gtgttaccaa attaccattt cagtgagaag cttttgaaaa gtcttctgac ttccagtctt 720
tcaccagatg actgcactgg attagattct agaagagaat gaaccatttt catataacta 780
aatattgggt atgaactgtg taagggccat gcttattggg atcagtttta aagttaaatt 840
cttttgatat taataccaga ccaaagacat tttctgtttc ctggaaaaaa aaaatgaatc 900
atgttaggct ttaggtgaga gtacattttt taaaaagtag ctatagtgtg tacatagtct 960
tacacttcaa gctaaacacc aaatgggtga tattttgaaa aaagtttgtg ttttactgtc 1020
ttagatcggt cttggaaatc actaaaaaaaa aaaaaagtta atttgatgtt tgcttatttc 1080
agttgcasaa actggcgagt aaaaaagatt ttgcatttac ttaattaatt ttatatttat 1140
gttttatttc tatttggact cagagatcta gacccaattg tatagctcct agactccaag 1200
cactatatag gccctgtat agaaatgctc actaatgaag agggagggtc agaagcttgt 1260
ctgcattcaa agatcactgg tgagtcattc agcaagaaaa gggcccttac cagggaatagt 1320
cacagttccg tggcattgta ctagcaaaag ggtctgatca aaggtctcct gtggagcttg 1380
catggttccc ttctatacta cgaccataat taaaaccact aattctcttt taaaatgctg 1440
caggatgcca tgtaggcac tgtctggagt gtcccttgtg atgtcataag ctgttaagga 1500
ccagtgccga gggcttttga gtgaaatgcc agtcatgaag gtgcttcaag acaagggtgc 1560
ctctaaaagc ttgacagggc cttgactgca caattcgagc tgaatttgcc cctgtgcagc 1620
tgccagtaaa taaatctcaa agggggaaaa gctgaagttt cattacctga tccatggggc 1680
tttgttgggt ttggcatcac acaggggaag ctcttgcccc tccattctct ggatttgaag 1740
atgtccattg gagcctgcag tgccctggaca ggggttcagag cggaaccttt tgaagagtgt 1800
caatagttgt aacagttcag ctgttaggaa gacaaataaa tggaggagct cattaatccg 1860
cttttggctc tcagtgcctt ttgccctttt atcacagcct tattaggctc ctactcatct 1920
tgaaccagaa aaaaatgaat tgaagttgtt gagtactaat tggcaaagac ttttaatcat 1980
gggccaagaa ctttactgta cttgaaagta acttctccac aggggaaggac caaaaacctg 2040
gtttacctta aaacaaaaac ctgltggagt tcagcgtggt gtaaaaatgt aagggaagcat 2100
tgataaattg tctaagttta tccatttgaa agaaattgtg taagattatg atattctctt 2160
ttctttaaaa aaaaaagtac aataaaattc aaacattcct taggaaaaaa aaaaa 2215

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&lt;210&gt; 1080

&lt;211&gt; 599

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

698

<220>  
 <221> misc feature  
 <222> (30)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (374)  
 <223> n equals a,t,g, or c

<400> 1080  
 acaaaagctg gagctccacc gcggtgncgn ccgctctaga actagtggat cccccgggct 60  
 gcaggaattc ggcacgagga gcctgcagga cacagtcaga agaaaggaaa agccattaac 120  
 attgggcagt tggtagatgt gaaggtttta gagaagacca aagatgggct ggaggtggct 180  
 gtccctgcccc acaacatccg tgctttcctc cccacatctc atctgtcggg ccacgttgcc 240  
 aacggcccat tgttacatca ttggctccag gcaggtgaca tccttcaccg agtcctgtgt 300  
 ctgagccaga gcgagggggcg tgttcttctt tgcaggaagc cagccttggt ctccacagta 360  
 gaaggtggcc aggnctccaa gaactttctc gaaatccatc ctggaatgct gctcattggt 420  
 tttgtgaaga gcatcaagga ctatggcgtg ttcattccagt tccccctcagg tcttagcgga 480  
 ctggccccaa aagctatcat gagtgcacaa tttgtgacct ccacaagtga ccactttggt 540  
 gagggccaga cagtagcggc aaaggtgacc aatgtggatg aggagaagca gcggatgct 599

<210> 1081  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (618)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (628)  
 <223> n equals a,t,g, or c

<400> 1081  
 ggaaatttga attgaatctg aacaggaaat gagtgcagtt gcttgccact taagaaatga 60  
 aattaacctt ttccgaatat cttttgaaat ctgcgttttg atgatgctga agctttggat 120  
 tatacatttg cttatttcga taagggtgcac ctaagtctct tcatctcatc agtattcttt 180  
 tgctatcaaa ggcagttgat cagttttggt cctcaatatt ttttttgcaa atatctaccg 240  
 aagttttttc aaatttttatg taaaatgcaa gtcattgtag agatgccagt ctatgccttt 300  
 atgcttgcca gtctcaatta agacttgatt gagctgcagt actttaaaaa ggattagaag 360  
 agctattgaa tgacttaatt tattagaagt ttttaagtga cagcatttct aattattcaa 420  
 gtgcatttat ttttcatgaa aaaaggtaga atgatttggt ctgacataaa gtaaatagtg 480  
 ttgatgcatt agaaattgtg tgtcttgatt atgatttctg tactttttgc attagaagta 540  
 taatggactt gtatttttaa atagttgaaa ctagcactgt gatcatatta aataatgcat 600  
 tycycagttt gggacctnca gatagggntt ccattgttga aa 642

<210> 1082

699

<211> 570  
<212> DNA  
<213> Homo sapiens

<400> 1082  
gtgtttctgag taacagtcag tgtataaaag gggattgcag aaaaaaatga gggcttgctt 60  
tactcaacag aaaatatggc ccttcctgaa tgacactagg agagtcattt tatctcatatc 120  
attcccttca tttcgttggg ggacatttgt tgaaaccggc actcaatggg caaaccgtct 180  
gtgccctcca gttgctgaca gtccctgcagg aagatggaca agaggcccag tgctgacagt 240  
cacacgactc tcaactacttg aatgagggga ctgtgggtgc aactagaaaa tatgttgatt 300  
cttagccatt cccaccttgc ctctccgttc agaaccaccag ctgcgagctg tttgtttccc 360  
tgcctggaaa tgatgtttta ggcagggttcc ttaattttctc aggtctgtct cagataataa 420  
aaagctcttt gtatgagcct cagaactgtc tcttcagtga atgaaattac cagtcattat 480  
acgaagggac tttaaaaaat ttgtggaaat actgaagtaa aagatgataa aaaaataaaa 540  
amwttatyt c ttggctggga aaaaaaaaaa 570

<210> 1083  
<211> 675  
<212> DNA  
<213> Homo sapiens

<400> 1083  
cccttccagt catgaaactt catttgtttt atccatatcc ctgaggactg tgtagacttt 60  
atgtcagttc tgtgtagact ttatgycagt ttttgtcatt atttgaaaat ctattctgac 120  
aactttttta ttcctttgat cttataagtt aaagctgtaa caactgaaat tgcatggatc 180  
aagtaagcat agttttatcc agggagaaaa ataaaaaggaa gccatagaat tgctctggtc 240  
aaaaccaagc acaccatagc cttaactgaa tatttaggaa atctgcctaa tctgcttata 300  
tttggtgttt gttttttgac tgttgggctt tgggaagatg ttatttatga ccaatatctg 360  
ccagtaacgc tgtttatctc acttgctttg aaagccaatg ggggaaaaaa atccatgaaa 420  
aaaaaaagat tgataaagta gatgattttg tttgtatccc taccatctc ctggcagccc 480  
tactgagtga aattgggata catttggctg tcagaaatta taccgagtct actgggtata 540  
acatgtctca cttggaaaagc tagtactttt aaatgggtgc caaagggtcaa ctgtaatgag 600  
ataattatcc ctgcctgtgt ccatgtcaga ctttgagctg atcctgaata ataaagcctt 660  
ttaccttaaa aaaaaa 675

<210> 1084  
<211> 628  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (535)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (579)  
<223> n equals a,t,g, or c

<220>

## 700

<221> misc feature  
 <222> (620)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (626)  
 <223> n equals a,t,g, or c

<400> 1084  
 gccccggtgg ccgactatct gacctcacag ttctatgccc tcaactacag cctccggcag 60  
 cgcatggaca tcttgatgt aagtgcctcc tgggcctcag tccccctggt ctggcccaag 120  
 ctgccctaag gtggggctgc caaaacctgg gtctccttgt tgctgggccc caagggctcg 180  
 tgcaggcctg tccactgcct tcgtgagtgt gtgaccggc aggactcagc agtgggggag 240  
 tcagggctcc cggggcagag agttttgttt gtttaaaata acagctttac tgatataatt 300  
 cacacgccat aaaattcacc gctttagggg aaaatgtgtg ctgcgagggt gaggggaatat 360  
 tatttagcaa wraaaaaaaa aaagggcggc cgctctagag gatccaagct tacgtacgcg 420  
 tgcatgcgac gtcatagtc ttctatagtgc tcacctaaat tcaattcact ggccgtcggt 480  
 ttacaacgtc gtgactggga aaacctggc gttacccaac ttaatcgct tgcancacat 540  
 ccccttttcg ccagctggcg taatagcgaa gagggccgna ccgacgccc ttccaacag 600  
 ttgcgcaagc ctgaatggcn aatggnac 628

<210> 1085  
 <211> 1356  
 <212> DNA  
 <213> Homo sapiens

<400> 1085  
 tcgaccacg cgtccggttt tttatgcayt wgagtcttgg atcaagtayg atgtacaaga 60  
 acgycagaaa tacttagcac agytactwaa yagtgtmga ttaccattgy tgagtgttaa 120  
 gttttctact agactatatg aagcaaatca tcttatctgt gatgatcgca cttgtaaaca 180  
 tcttttgaat gaagccctaa agtaccactt tatgcctgaa catagactct ctcacagac 240  
 agtcttgatg acacgacctc gctgtgctcc caaagtactt tgtgcagtag gagggaaatc 300  
 tggactcttt gcctgttttg atagtgtgga gatgtacttt cctcagaatg actcttgat 360  
 tggtttggca cccctaaaca ttccctcgcta tgaatttggga atatgctgtt tagacaaaaa 420  
 agtatatggt ataggtggtg ttgcaactaa tgtgcgtcct ggcgtcacta tcagaaaaca 480  
 tgaaaattca gtggaatgct ggaatcctga tacaataact tggacttctc tagagagaat 540  
 gaatgaaagc cgaagtactc ttggagtagt agtacttgca ggagaacttt atgccttagg 600  
 tggttatgat ggacaatctt atttacaatc tgtagagaag tacattccca aaataagaaa 660  
 atggcaacct gtggcaccaa tgacgacaac aagaagttgt tttgctgcag cggatttga 720  
 tggaaatgata tatgccattg gtgggtatgg tctgcccac atgaacagtg tggagcgtta 780  
 tgatccaagt aaggactcct gggagatggg tgcattccatg gcagataaaa ggattcactt 840  
 tggcgtgggt gtcattgtag gctttatctt tgtggtgggt ggacataatg gactctcaca 900  
 tttgtccagc attgaaagat acgatcctca tcaaaatcag tggactgtgt gtagaccaat 960  
 gaaagaacct agaacaggag ttggtgctgc tgaatcgat aactaccttt atgtcgtcgg 1020  
 tggtcactca gggctcttct atctgaatac agtgcagaaa tatgatccta tctcagatac 1080  
 gtggctggat tcagctggca tgatatactg tcgctgcaac tttgggttaa ctgcactttg 1140  
 acaaatgtga actctcgga atagtatggg ggtgaaactt gtactgcatg aacatccgga 1200  
 tggcccagtt ttctgaaacc cacaagctgc attgctttct ttttaacttg aagtagcatg 1260  
 aaggctcaaa agttttgttg ggtactttta attgagaagt agttttgggt gctcttgatt 1320  
 acacagtaaa tcaataatca aaaaaaaaaa aaaaaa 1356

## 701

<210> 1086  
<211> 703  
<212> DNA  
<213> Homo sapiens

<400> 1086  
gcaaacattg gacatctctg acatattttt tctcgttttc agcttttcgg atgatccctt 60  
atcccttgga aaaggggcac ctattttatc cttacccaat ctgtacagaa acagcagacc 120  
gagagctgct tccatctttc catgaagtct cagtttacc aaagaaggag cttcccttct 180  
ttattctctt tactgctgga ttatgttctt tcacagccat gctggccctc ctgacacatc 240  
agttcccgga acttatgggg gtcttcgcaa aagctatgat tgacattttc tgctcggcag 300  
agttcaggga ctggaattgc aagagtattt tcatgctgtg tgaagatgaa ctggaaatcc 360  
ctccggcacc tcaatctcaa catttccaaa actgaactca tcacctctct tccccacca 420  
ccaaaactgc tctctctct gtatttctra cctccgccat ccacctcggt gctcaagcsg 480  
gaaactcggc agcccttcca aactcttccc tctctcactc cccacatccc atcgtctcgg 540  
ccttcacaat ctgtcagttc taacctccta agcaactagg ccttcagtaa atgtgattca 600  
cctcttcttt cctctctttt cccaaaagca tccctcttag tctaggctct ttgttggttt 660  
cttggttga acttctggcc ataagtctta acttggggct ccc 703

<210> 1087  
<211> 479  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<400> 1087  
agccaaagtg ctggaattac aggtgtaagc caccacaccc agcaataaag cattttaatt 60  
tgcttctatt gagacaatac cctagaagtt ttgcagtggc agtgtgatga ccaatgaggt 120  
ttatctgagg tgcgattatt gctaattgaa gcagtgccct ggagggtacta gaattcctta 180  
tcagtttcat acaatttcag ggcttgattt tttatagggt acccagacaa ttcattcaag 240  
ggctgcttta cttacggttc acatgtcatg taaggagcag tggttttgag cataaactct 300  
attcctggga tttatcagat accccacttt tgacagggtct tggatttcac ttttcagatc 360  
cttttttagga ttggcaaate gctttcttca ctgtccctct agccaaggac aaaaaagtga 420  
ttccaacttc cccagcantt ttgggnaagc ccaaggcaga aggggtttttt ttanggcc 479

<210> 1088



## 702

<211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 1088  
 tcaggccttc cctaacgctc caagcaccgc tggagccatt taatgggtga ggggaacttgg 60  
 gtaagaggaa gatcaccccc ttctgtccc ctttctaggg cccctcaagt gcaggtgacc 120  
 cttaattggg gagatcttca gectcagccg ccgacctttc cttttgtcc agttttggar 180  
 ttcccgtttt ttcttgttt gctttcmgag tgtaaggctt ggccgggtgag aaagatttcc 240  
 cccaaccttg attaatcagc cccctcccc aacttacttc ccttaggacg ggtagggctg 300  
 agggacctcc tctctggaa agtgcttact ttgcctgggg aaggggctag acactgtccc 360  
 agggaaagta atagaagggtg gaagaaatca ataaaatcag accaggacgg agggaaaaaa 420  
 aaaaaaaaaa aaaggggggg gg 442

<210> 1089  
 <211> 1074  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1055)  
 <223> n equals a,t,g, or c

<400> 1089  
 gcactcttta catctttcat ataatagagt cactagcttc tgtaccaatt tcttgtcttt 60  
 agtgactttt ggtaaagtgt tataattaaa gcacatttct atcttgaagt taccatccaa 120  
 ggtggtttct ggatgctagt ttaatgattt aaacactagt ggctcactaa ttcactagat 180  
 agtttttgtt ctgttttctt ttgtctgcct gtttttattt ttataattac attggcatga 240  
 atttccactt ttcaatcttc taaggaatat ttgagatttt tgcttttaa acttaatat 300  
 tcctttaaaa ttctggaact tcttaagttg acattttaat ttttttaa taaattctgt 360  
 agtgctctta cagaaccgaa tattcttaat gtaagtataa gcattacaaa tccttgtaga 420  
 ataaatattt ttagcattgt tacgaagggt aaaaactggg ttttgttcac ttacatgtct 480  
 taaaattgcc ttaaaatgaa tacagaaatt tatatggcag cttctagtac agttgactgc 540  
 ttaacatgg cctgacatct agtgatattt ttctctctt caaatttctg ttttctagct 600  
 cttaaatatc tgtttctcat tcttataaat caagatgctt gtagtatata attctgagac 660  
 taattatctg cttttgaatt ttttccactg caattcataa aatgtgaaga tctgtgaaaa 720  
 tgctatggga aaactagctt gggttcaaaa tatcttaacc aaatataccc tgtaggcttc 780  
 ccaagagtga ctgtctgaca gttggtgact gtagaagaag ctgggtgggt gttttctggg 840  
 ccaaggaaat ttaaaatgtc tgcaatgtta tccatcatta ctttytgctg tcagaaggga 900  
 tggcagattg aagcttttct ccctatcgca ttttcagagt tgccgtgtca gagcttcacc 960  
 ttgggtaagg aaagatgggc aggaattctg ggaaacagaa ctctgagac ctacctctgc 1020  
 ctgcctaaaa atgtggactg actcagtatg agatnataac aagaaaacat ttaa 1074

<210> 1090  
 <211> 1163  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

703

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1090

```
actgccccaa gctcaaggag atcaatttcc gtgggaacaa gctgaggag aagcgcttg 60
agaagatggt cagcggctgc cagaccagat ccatacctgga gtacctgcgc gtcggaggcc 120
gtggtggcgg gaaagggcaa gggccgtgcg agggctcgna gaaggaagag agccggagaa 180
gaggagggag aggaagcaga ggcgggaagg tggatgatgg gargagcagg acgtgggaga 240
tgccggccgg ctgctgctca gggtcctgca cgtctctgaa aaccccgta ctttgacagt 300
cagagtgagc cccgaggtcc gggatgtgcg gccctacatt gtggggggccg tggatgcgagg 360
catggacctg cagccaggga atgcaactcaa gcgtctcctc acctcgaga ccaagctcca 420
cgaagatctc tgtgagaaga ggacggctgc cacccttgcc acccacgagc tccgtgccgt 480
caaagggccc ctgctgtact gcgcccggcc cccacaggac ctcaagattg tccccttggg 540
gcggaaagaa gccaaggcca aggagctggt gcggcagctg cagctggagg cggaggagca 600
gaggaagcag aagaagcggc agagtgtgtc gggcctgcac agatacctc acttgctgga 660
tggaatgaa aattaccctg gtcttggtga tgcagacggt gatgtgattt cttcccacc 720
aataaccaac agtgagaaga caaagggttaa gaaaacgact tctgatttgt ttttggaagt 780
aacaagtgcc accagtctgc agatttgcaa ggatgtcatg gatgccctca ttctgaaaat 840
ggcagaaatg aaaaagtaca ctttagaaaa taaagaggaa ggatcactct cagatactga 900
agccgatgca gtctctggac aacttcaga tcccacaacg aatccagtg ctggaaagga 960
cgggccctcc cttctggtgg tggagcaggt ccgggtggtg gatctggaag ggagcctgaa 1020
ggtggtgtac ccgtccaagg ccgacctggc cactgcccct cccacagtga ctgtcgtgcs 1080
ctgacccag ggccgcctgt ccgcgtttgt ttggccggtt ttgaggagg ttctatgcgg 1140
caatgctgaa ttatccgtta gat 1163
```

&lt;210&gt; 1091

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

704

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1091

```

agcnaganan ccaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncgnc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagatt ttgagcattc 120
ctctgatatt tgaaaaggaa gtacaacagg aaaggaagtc tgaggatgga agctaaaatt 180
ggtatgaatt tatattttag agatcaaaat gtaccttatg ttgaaaccta tgtaagaagt 240
gatwatgtag aaagagtga aagtatagct cttagtctgg aaagccact ggcttggttg 300
ggcatttctc atggcttccc actcaaagtg gatcccaaaa atcacttgat ggatttcctt 360
gctgatttct aagtaacta tggtttaaga aagaaatgac aggggtcagc actgccctac 420
agtaccaaga atacaaatgt ttccatgaag tcttcaaagg catttgtaaa attcaggctg 480
taagtgatta gttagtccat tctgcactta tttattaact gtatattcag ttccaggctc 540
tagggtagag attatggata aaggtgaatt agatagatga agtttttgcc ctcacagcaa 600
aagctttagc caataattaa agctatcact ggaagtgggt ctgtgccaat aacctagaga 660
agagcagtgc ttttagagtt gagctatatt cccaatcagt tcttaatggg ggttttaccc 720
ccttccctct acactgtctt ttcttgagat tggatcatgt gtgtgaaccc a 771

```

&lt;210&gt; 1092

&lt;211&gt; 757

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1092

```

taggaaatca actgagtggg tgtttggaag aggaaggagc aactctcggg cagcctgccc 60
aaggagggga gcaagttgca atttanaaga tgccatacgt cgtgtgacag ctcatgagcc 120
tttctactggg ctggcaattg tctgaacact tgggttcagt tgaaatata gtattttggc 180
caaaagccaa gcagcmcttc acaaaaaaaa aacacaamcc taagctaaca aaatgmctgc 240
attcgtctct tttttaaaagg tagagattaa actgtataga cagcataggg atgaaaggaa 300
ccaagcgttt ctgtgggatt gagactggta cgtgtacgat gaacctgctg ctttggtttc 360
tgagaagagg tttgaagaca ttttattaac agcttaattt ttctctttta ctccatagga 420
acttatttta atagtaacat taacaacaag aataactaaga ctgtttggga attttaaaaa 480
gctactagtg agaaacccaa tgataggttg tagagcctga tgactccaaa caaagccatc 540
acccgcattc ttctctcttc ttctggtgct acagctccaa gggcccttca ctttcatgtc 600
tgaaatggaa ctttggtctt ttccagtggaa gaatatgttg aaggtttcat tttgttctag 660
aaaaaaaaaa tccctcccaa agtggggcaa aaagctttat atttatttga ttatccaaaa 720
tacagatcaa agtttagatc taaaaaaaaa aaaaaaaa 757

```

&lt;210&gt; 1093

&lt;211&gt; 633

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

705

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1093

```
gcaagactct atctcaaaaa taaaataaaa taaaataaaa taaaataatt aataaaatgg 60
tgtagtattt gcatataacc tatgcacatt ctcccatata gtttaatcat ctttagatac 120
ttataatgcc taatacaatg taaatgctat gtaaataagt gttgttatac tgtattgttt 180
agggaataac aataagaaaa acagtctgta catgttctact acagatgcaa ccattgttaa 240
gcctgactac atctttttat ctgcagttga ttgaatctat ggatgtggaa cctgtgcata 300
tggaggggtca actgtactat aaataatacg aatatgccaa cattatataa tcattgcttt 360
ctgcaactgt ttactataat ttcaaaatta atatcctatt aactgttcct ataaattatc 420
aaatttggca agtgtattac tagcaggaga tggaccttaa attatgacaa ctttatattt 480
tttgatagca tctcttgaaa aagaatttta atgattctaa taagagggtc tttttctttt 540
ttccatttcc ttgacaaata gtactcattt aaaaactaga gggctaggct tagtggctca 600
cgctgtaat ctcagcacnt ttgggaaggc tga 633
```

&lt;210&gt; 1094

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1094

```
gtcgggggaca cattccaaga ggctaaaaag caaatttctg tacattagga gatttgtgag 60
tccttaggaa aggcctcagaa gagggctcca cctagcacia tacctgacat agaaagtgg 120
cagtgtctgc agaatgagtc ggcatgaacc gtactttcct tggcaggggt attaggtgg 180
aaatacctgc agaataatgg gattgtacta ggggtttctt tggcctttaga aaccatttg 240
tttactaata gattcccaga ggataccttg atctcaccaa gctatttgcc agaatgtctc 300
ctgatggcct cattgaagaa aggggggacta tgagccagat gctggtgccc tgaagatttg 360
tagtttgtgg gatagtctta acttggcagg gtttgattaa cagaatgaag tctgttcctt 420
agagggaagt ctttgcttgc tgccctgacc tgctggacac tgttaattgg gatgaggtca 480
aagaaggcat agttaccaca ttgacaggag accctaacct ggaaatagta aattacataa 540
cattcaaa 548
```

&lt;210&gt; 1095

&lt;211&gt; 860

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (636)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (758)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (768)

706

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1095

```
cagtgaacaa aattatTTTT ttaaagcaca taatccctag tatagtcaga tatatttattc 60
acatagagca actagggttgc aaatatagtt cagtgcacatt tctagagaaa ctttttctac 120
tcccataggc tcttcaaagc atggaacttt tataacaacag aaatggtgac agaaattgct 180
gtagtttagg gttgaagtac tgtatgatgg gcagcaatca tgtattaact tagaagggga 240
aattgaaata taggaccgaa tttgggttta tcagtttcca gagtactgct gccaacctag 300
acactgattt ttcagagttt gaaatgtaaa tttcttcccg ggacttgatt gcacatgaag 360
ctggactgcg ttagtcattc tgtcccaaag cgctgtgggg gccaggggtgg aggtctcaag 420
gcattccttta tgacctggcc attggatgta aaagaaaaca tattccatgc tgtgggttctt 480
gtatcttggt tcatctctca ccattgaaag agaaagtcca tgtattgtct ccagcacatc 540
cttraaatgt tatactggga tggattactg atgcccattc gtagttgagc cccagaagag 600
ggtagtagca tctctgcctc aggtgatgat ttgtancttg gccagaggag agcggagtca 660
ccagtatatc tgtgggtccat gttgctagct ctggtaaaat taaaaatctg gtaagatggt 720
tgtatcatta gtacactaga cagtaagctc tgtcttgntg ttttcaanta acctatattc 780
acttttgttt gggcaaagac atttaaattg aaattcaatt ctaatttttg ttaattgtgg 840
aaaggggtaa ttaacagatc                                     860
```

&lt;210&gt; 1096

&lt;211&gt; 1754

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1543)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1584)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1694)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1738)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1096

```
ggagaaattg attcttcttc tctctttgcc aggaatagac atcaatgnta aagacaatgc 60
```

707

```

tggctggacg cctttgcatg aagcctgtaa ctatggcaac acagtgtgtg tccaggaaat 120
tttgcaacgt tgtccagagg tagatctgct cactcaagtg gacgggggtga ctcctttgca 180
tgatgcactg tcaaacggac atgtagaaat tggcaagctg ctactacagc atggggggccc 240
agtgcctttta caacagagga atgctaaggg agaattgccc ttggattatg tggtttcacc 300
tcaaatacaaa gaagaactgy ttgctattac aaaaatasaa gatacagtgg agaactttca 360
tgcacaagca gagaaacatt ttcattacca gcaacttgaa tttggctcct ttttacttag 420
taggatgttg ctaaattttt gttcaatttt tgatttatct tcagagttca ttttagcttc 480
caaaggggta actcatctaa atgaactgct tatggcttgt aaaagtcata aagaaaccac 540
cagtgttcat actgactggt tactggatct ttatgctgga aatataaaga cattgcagaa 600
actcccacac attcttaagg aactgcctga gaatttgaaa gtgtgtcctg gggtagacac 660
tgaggccttg atgataacat tggaaatgat gtgtcgggtca gtcattggagt tttcatgatg 720
atgctagaaa gtatggattg actttctaaa tctgttcagt ttgcattggg acttactgtg 780
gacttcatag ctactgaca gatagtaatt tgatttatct attgacagac tttgcagcct 840
tgctaaattt taaaagcatt tttaaaaaaa ctctacaaa actctagtat gggcttctga 900
ctttttccag ggtgtagaat ttgactcaaa agtaaaaata attttgtttt agtatattct 960
actttcatta atgttttttt gttctgaaag tgatattata ttgtacatgt aaaattaatt 1020
taaataattt ttcaaataaa aatgtaatgt cctgtattct agatgttcta ggtcttagaa 1080
tcatggcaag catattcata caaatgcgta cctataaact tgtagctcct gactcttagg 1140
gatggatttt gaggaaaaaa caagactaaa caaaaacatg tagctcccta tttcttctct 1200
ctagggttgt ggactgaaat atgcatttta gctttgtgtg tttctaaaat aaacatttct 1260
aaaattttaca gtaataatta atattctttt ggttttttaa tgcagcaaat atgcagagtc 1320
tgacagttca attccttgat ctgttttatt ttagcaattc atatacaaaa tgtatctgtc 1380
gctgccttat gtaaccacgt attctgtacc tgaaaacatt ctgctgcata ggtttatgag 1440
tttaatatata agatattgag tggcataagt aatagatttg agattattta agatcttaat 1500
atatagtatg aattttactga gtagtaatgt ttttaatttg agnttttctt tatagcagtt 1560
tgtagtaaaa ctaaaagaaa gggngtggat aataaccact tttgagattg gagtttcttc 1620
actactggga gtaagttaca ttatgatata ggtggaaaat aaacacttcc atttagcttt 1680
tatgtaattc aagngatgac cttagcagtt aatctgctaa agcaatacac ttcagttnta 1740
ttttggaaat agat 1754

```

&lt;210&gt; 1097

&lt;211&gt; 774

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (765)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (768)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (772)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1097

## 708

```

aggattattc cttctcatct gctgcaatgg gtcaatgtgt taaggagagg agcgagacag 60
caagaaccgc attcattcag tcatacagrc caaaaggagg aatgtcgccc agccctctaa 120
actgaccagc aaccagatc atgtytcaac tgctacctct cctacttaga aagaagtaac 180
tccaccaaag cagggttctg ggacaaatat ttttttattg atcatataca aatagatgaa 240
ggatggactt ggatgttaag aaaaataata ctatacaaaa tcgagagtag acagttgccc 300
ctagacttaa attaaaagtg tgcacattag ataatttaac ccaatgtatc aggtaaaaac 360
ttgaacaaac cttttggcct cttccttaaa attcagggaa gcatgtcctc cacaaaacag 420
aatcaaaata taaataaaag actgccttaa gacgaaagga aaccttacag atgaaaagaa 480
gccagatgag aggcacttaa ctaagaatga aaagaaactg agtggacaaa ataattatga 540
gaagatgaac cttcaaatac gaaagaggga aaaaagctta tttgatacta tgggaactca 600
aaagagagtg aacacaaatg tgaaaattcc aagagtgaag aaaagtatca taactacatt 660
tagagcatga gaaaaagtat acaatttttg gtaataagaa cagaaatcaa aagtaactat 720
tgtatgctgt attttagtag agcaacmctg aagaagaaag gaaancanga anta 774

```

<210> 1098

<211> 164

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<400> 1098

```

aattcggcag agctgtcacc caggctggag tggtgtggca caatcttggc ttattgcagc 60
ctcaattcct gggettaaac agtcctccca cctcagcctc ctgggtagcc ggaactacag 120
tcacggcaact tccatgtccg gataattttt tttttttttt tnag 164

```

<210> 1099

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 1099

```

ggcagctaag acttcagtaa aattgggggt ggggggaggg ttgacatttt ccgactgcct 60

```

709

```

gttacgtgcc aagtgcctttt tgttaaggac ataatgtttt tractgggga tcatgtttgg 120
ctgatgtaaa tattaatgcc aaaataggag ctaggatgaa agtaacactg taattagtag 180
tagaatttat ttcatattaa aatgtgtcat gacgtaattt ttatggcttg gctcaagcaa 240
caattttcag agtgcacgta agtatcaacg cgtaaaactt aacattttac agtggttattt 300
ggtattattc tctatgaagc tgtctggatc ggtctccttt tcccattggg taattgggta 360
atgctcagat tttggctcct agaatcgatc tgtgtgttcc cggctcttggc atctcattat 420
gtcatttgct gkatttttttg atatattatt gtacgtgcaa attgargtga awttgtttgtt 480
ttagattaag actgttggga ctcaagctac aacgaggtgt ctctggnngg aaaaaaactg 540
gcagttttta gatttgggta aatccccgnc cccggg 576

```

&lt;210&gt; 1100

&lt;211&gt; 829

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1100

```

aaaaaaaaa aaaaaaaaga atatccctgt ggcaatagtc tgatgggtgtt tggacacaag 60
aaaagttatg gttttgagtc gtgagtgttt gctagggcat ggcactcttc agtttaacag 120
ctgatccatt aaaccttttc tgacatttgt gccttgttct catgctagaa ttaatgctgg 180
atttttctct catttgacca tcaatgtagt tttacttatt gaaaggaaaa aagacttaac 240
acaagatagg aaagatgagt atgagaagta aaacattctg ctgggggtgct acatagaagg 300
ttaggttgta ggggctttga ttttaattta aacttattat cgattgatat ttctgtatct 360
cactaaatgc ggttgaagag tgtgtgtgtg tgtgygcgcg cgcgcagtgtg gccaaaaaat 420
agtgccataa tgtcaaattc ttcctttgct ctgtttttga gagttgatga catcaggcac 480
ttttcagtgt ttggggaaat tgattgggat acctcccca aaccaactca agtctgtaac 540
tggaagccag gtggttgggt ttctggtccg ctttgtcctc tttcttttac cgtcatccta 600
ttcaccagca cttaatgtaa gtagatgttt tagaattgca atatttattg gtttagtatt 660
tgtcatcctt agaaatgtta atgatgtatt tttatatga taatataaat ttrtgtacag 720
tatgtgtgta tatgtatttc aggatgttat agtattgtac tttgtatgtg atgggtttttg 780
tgtcttcata ataaatatgt ccctttttaa aaaaaaaaaa aaaaaattc 829

```

&lt;210&gt; 1101

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1101

```

gcgggagtg gccacgccgc gcgtggggct gtgggtggccg cggtctctcag atatattttt 60
gccatcatgg atcagtttgg agatatatta gaagggtgaag tggaccattc tttctttgac 120
agtgactttg aagaaggaaa gaaatgtgaa ctaactcakt ttttgacaag caaaatgatg 180
acccaaagga aagaatagat aaagatacaa aaaatgtaaa ttcgaacact ggaatgcaaa 240
caacagaaaa ttatcttact gagaagggaa atgaaagaaa cgtgaaattt cccccagAAC 300
accctgtaga gaatgatgtt acacaaactg taagtctttt ctcatcgcca gcctcttcaa 360
gatcaaaaaa attgtgtgat gttacaacag gacttaaaat acacgtgtcc attccaaata 420
gaattcccaa aattgtaaaa gaagggtgaag atgattacta cacagatgga gaggaaagca 480
gtgatgatgg gaagaaatac catgtgaagt ccaagtccgc taaaccatct actaacgtta 540
aaaaaagcat aaggaaaaag tattgcaaag tttagctcctc ttcctcctcc tctttatctt 600
cctcatcttc aggttcagggt acagattgtt tagatgcagg gtctgatagc catctatctg 660
attcgtctcc gtcacttaag tcatctaaga aacatgtatc tgggtataacc ctctgtcac 720
caaaacacaa gtataaatca ggaataaaat cgacagaaac acagccttca agtactacac 780
caaaatgtgg ccactaccct gaggagtctg aagataactgt gactgacgta agtcccttat 840

```



## 710

caactccaga cattagccct cttcagtctt ttgaactggg catagcaa at gatcaaaaag 900  
tgaaaattaa aaagcaagaa aatgtgagcc aagaaatata tgaagatgtt gaggatttga 960  
aaaataattc aaaatatttg aaagcagcca aaaaagggga agaaaacttg ggccctgttgt 1020

<210> 1102

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 1102

aaattctcaa atatgggaga aatttnttct ttgagaatta tctgagtcac taatattttt 60  
caaaaacagc tctcactgac ttgaacctct tctgtaagct ctaacctttt acctgcttta 120  
catttccact tgaatgtcta gtaggcacct cttgacccaa aacagctttt gattcctgtt 180  
ctccaacctg ttccctctct agttttctcc atctcagaaa tgttacttcc tctgcaaagt 240  
ctttccctga cttatctaaa ataataacct cctctgtttg ctgtgggaat ttgtatagaa 300  
tggtgggaaa atttcaagtt tcatatttgg attagctctg acatttattt atctgaacac 360  
tggttaattgc ctcagtaaag acactgataa taagtacctt ttagagttaa tttaattctt 420  
aatgctttta tgtgtaggaa gagtatagtg tctgtttttg cacagaaagg cattctgtaa 480  
ataataagtt gccttaattt tctgttaatg ttcatatat tgttgtggga aggtatttac 540  
tcctattatt aaaaataaaa atgtgtaaaa tttaaaataa caaaaaaaaaaaa aaa 593

<210> 1103

<211> 1429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1103

tgncacaggta actttacact tacaatgaat tcatggattt tgtagcagc attggctttc 60  
tcaaaaggac aaactcaata tcgttataaa atataattcg tgatcacaaa ttatacaaaa 120  
atcagtagaa acagtttttt atgttcagat taaaaaaaaa aacttgggat aattttarat 180  
ttacaaaaaa gttgcaaaga tacatggaga gcttctgtga ccaactaccc agttccccca 240  
gtgttaacct tttatttaac catgaagcat ttgtcagaag ctaagtaacc agcaatggca 300  
attactatta acggaacttt gactttattt ttcagattgt actagttttt taattaatgt 360  
catttttctt ttccaggatc caatctagga taccacactg aattagtcgt catgcctaat 420  
tagcctctgg tctgtgatag ttccacagtc tttctttttc ataaccttga cagtttttag 480  
gagtactggg caggtgtttt gtagaatatt cctcaatttg ggtttgtctg atgttttctc 540  
catgggttaga gtgggggttat agatttttag gaagaatacc agaggtgaag gtccttctca 600  
ctgcatcatg tcaggagtta catgctatca gcttgatggg gtatttaactt tggacacttg 660  
gttaaggtag tgtgtgttgg ttttttctg ctgaaaatta ctgttatttt ccctttccat 720  
acttctgttc tttggaaaac agtactaag tccagtcatg ggaggtggg ggtgggaaag 780  
attacattca accccctgga agtggggaata tccatatgta gtatttggaa tttttctata 840

## 711

```

tggaaaattt gtttctccct cccaccctaa tttgtttaca tcagtatgga ctcatgtata 900
ttttgtattt tgggtaacac agtatttatt ttgttgctta agttgtccag cttggctatt 960
aggagttctg ccaggttggc tactatgtcc ctttgatgtg cccatccttt tgatttttga 1020
gcacttctta ctttctggca ctacaagatg ctccaggttc atcttgata ttccctgccc 1080
caaccctaga atccctagaa tcaaccctg ctccaaagag ccctggttcc ttttgttgga 1140
gaatcatact tagaaaccaa gatctgggca ttagatgtgc ttgttgctac tgggatgtca 1200
ctgtttgtag cagagttgag aaatatgtat gtatattaat ccatgcatat gtacacatct 1260
ataattattt atgtgtgtac aaagctaaac atgagtttgt actgccgtct tcaactcaaa 1320
atttgtccca aaattttgtg gcatatgttt agattttaaa gttgatattt tccctattga 1380
cagaataaac tcattaaaag agcaaaaaaa aaaaaaaaaa aaaaaaatt 1429

```

<210> 1104

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (709)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<400> 1104

```

ngttgagtta tttagaattt tatctcaagt gaaagctgat ggattcatct gctttggctg 60
aaattaaact tatcattagt ctagctagca tttagcatg atattgcaag cactttctcat 120
tgctaaaaat aaataaacca aagtttaacc gaatcagtta gggaaagtga tttaaacttt 180
atttaaagag gtatttttcta attatgcaca gatatctact ttatacaaat acttttatatg 240

```

## 712

```

gctattttttg agaaaaccct cacatttttaa tgtttatgct agggatgaac ctgaaaattc 300
tattacgttt atttagattt caaaggcaaa tattgattcc tatgctctgt ggtttatttc 360
ttttttctat tgcttctttc tcccttgagt cccttgaagg cagggaatag acttctagaa 420
aacctgagag gaaaaagaat tctttttaca ggaggcagca gaaaactgtc tgaagggtca 480
attgttttat ctcccttttc actctctttc caatttgggn tttggtggtc tgaagaagaa 540
aaagaaattt tatgtatgta tgtgtaaata tgtgtatata tttctatctc ttgctacaat 600
aattccaact aagtgaactt ctcaattatc atcatactta cttaccttat attaacanat 660
taagatgatg ctgccaaaac aagtctagca gggaaaacag gttctacant tttngnaaat 720
aaattaa                                           727

```

&lt;210&gt; 1105

&lt;211&gt; 605

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1105

```

atgtctgcag tatanatagc atagacattt ggtgtgaagg gaggagaaag gaagtagtag 60
ttctgagaat attcatttga acagagtgcac tatggaagaa tgaatagcaa aaaaaggaga 120
attttttttaa aaagatctct cactgggaaa agaaaaagtt atgcatttat aaagtaatta 180
aactgggtttt ccttgtactt tattaatctg aatctaattg cacttcctta cgagggtttt 240
cagatgtgct tgtagttaat ggcaacatta tcagaatgac tacacagaca gtctactct 300
gaggagatga ctttgggaaga aaccattttg gaactacaca ccctgctatg tctgtggaga 360
aatggaactg caatcctcaa gagtcacact tcataattcct tcctttcaag tggttgataa 420
aaggtagtgc ttcaagcaca ggatttatgg aatagttggc aaattaaaca acatgctttt 480
tattttgact accatttaag tggaatcttt gaactttttt tttgacatgt gaatctctaa 540
tgtggtgaga gagaaaaaca taaaaatata aaaacattca aaaaaaaaaa aaaagggcgg 600
ccgct                                           605

```

&lt;210&gt; 1106

&lt;211&gt; 805

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1106

```

ggggtgcacc tgcttgtgca gtcagcatgt agctgccttt ccatttcatt ctctactggg 60
ctaaaaattg cagctacaag tgttaccatc ttgaagcagt ccacttccat tcaatttttt 120
tttttttaatt ttagaataac agtgtcccca taccaaagga agcctgctag ctcatctcat 180
gtataaaattt cccatcttca aacagtttag gtgtatttgt tgctctggtc acattctgca 240
taaaaagaaat cctcttaagc ctatgggttaa gaaaagcctt gaagtttata ttcagttaaa 300
atatatgtcg gtggagatag ccagtgtctc taattttgac ttagtttcat acagtaaagc 360
ctaaatgtga aacgcacacg ctggaagata ttgttccat caatattttg ctttttataa 420
caagggtttg ttcataattg tgccattttt gcaggatttc ttcgtgattt ctgtccatat 480
gaaaatgctg acattaaaca ttaacacatg gagaccgtgc cctgtggccc tgccgtggct 540
gccagcatgg tctgtgtttc cttgtggatt cacctgtggc cctgctgtgg ccaccagcat 600
gggtctgtgtc ctctgtggatt cactgcagct gtcggatgcg agtttctgtc ataactcatt 660
gtttcctgat acaattgttc ttattctttt ccaaaactgt aaaataatct cctccctcaa 720

```

## 713

atgcaaaggt tgtttttgtt ctgtttctgt tttctttgaa ataaaattat aacgttaaaa 780  
gaaaaaaaaa aaaaaaaaaa aaaaa 805

<210> 1107  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<400> 1107  
acactatatn tagggacanc tgcccgtacc ggtccggaat tcccgggtcg acccacgcgt 60  
ccgtactgcc ctttttyaac ctcagatgtg actttcatta taggaagttc tcaggcattt 120  
tctcttggaa taataacctt tctctcttct ctttatgtcc ttgtgccgca ttctgggtta 180  
ttccttttagc tctagggttaa gttcactaat tcttccttta gctgtatttc attattgttt 240  
aagctgtcca ttgcatttta aactttcttt caaatatctt cccttccctt cctttccctt 300  
ctcttccctg ccctgcccgt ccctgcccgt ccctgcccgc ccgtcccctc ccttc 355

<210> 1108  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<400> 1108  
cccacgcgtc cgggttatatt gtattttacc tggcaaccct atgttggagc ctccttccct 60  
gctgcagcca acaggggtag aggatctgag ctgcttattt gtaactgaaa gtccatggga 120  
ctgcttttat ttgggggaat ttttctgtta actgtcatta tgaaagtgat cacgatgaga 180  
gattcagatt tattttttaa attcgggtgga ggaatatctc ctcattgatt tagatctttg 240

## 714

```

atttttttca tcagagggttt tgytttcctg ctatagattt tgcatacttt ttgttagatt 300
tataacctgaa ggtttttgtct ttttggaatg tgtgtttttg cacgtgtttt gctaatttgt 360
ttttaaatc caaattttat tgcttggcat ataacaattt gaattttngg tatattaacc 420
ctggtgaaaa ggaacccaaa anaacct 447

```

```

<210> 1109
<211> 802
<212> DNA
<213> Homo sapiens

```

```

<400> 1109
ggttacctcc tgaatcactg tatatgccat gttttgcgat aagattgctt gcattttctg 60
ctcaacaatg tgtatcttct gtttgggaaa gcaactagtga tggattactt tttaaagcaa 120
tacattttagc ttgcaaattg tgccttttaa aaaaaaataa ggcagacttt tgagggccaa 180
gaagggaagct gtccagtttt ccaaaaatcc tttttccctg ctatcagaaa tgtgaaacca 240
aattttagcaa ccaagattaa tgaaaagatg ggttttccat tagtgctgtc cctatcttgt 300
tcttggcttt gttatgtcct tccccctaga ctgtatcccc acaaaatgtc ctagtaacaa 360
attgcttttt aagctcctgt tctgggaaaa ctaagcatta aaattgatta ttctaaaaca 420
taaagtggac taaagccatc ctattttata attttcta at gcaaagtggg ttagtataga 480
gttaacactt agaagtttat agtttactgt ttttattctt atgtactgta aggaccatat 540
ttgagttttt ggtctattcc taccattgtt tctttgtggg gaggagtgg ggcggtttgg 600
gggattgggt tttttttttt gtttttttaa actacaggta tttgtaaaac aatgtttggg 660
ttcaaacaaa ttagttgtta aacatctgta atccagtttt ctgtaaatgt tgctgttgtt 720
ctaagctctg ttaatgttaa gcattctttg tatataaaat tacaataaaa tgttaaaact 780
gaaaaaaaaa aaaaaaaaaa aa 802

```

```

<210> 1110
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

```

```

<400> 1110
aaaatgcaaa gctgattttc atgtttatat atattcatac cttgatatat tgcaatttta 60
gagtttctgc agtctgtcta acttggctgt ttgttcatag gccagatcaa actaccctca 120
ttccccaaaa cttggattgt gaagggatta gtgccccaga actctctgtg ttactggcag 180
ggcaaaatgg gtaggaatag tctggcttag ggaaaaagac atattttctc tctaacacaa 240
ctggcagata ctgaagtggg caggtggcaa gaaaaggcaa gtactgagct gattcagact 300
tgcagaaaagc ttctctctct ccttcttagc aaaatgaaag gctctgggaa aaggcacctg 360
cctttccctg ccttgaggat cctggcatcc ttgagtcttt attgaanatt aatttaaatga 420
cttgggtcaac aatagcatta cctaatacaca gagcatca 458

```

```

<210> 1111
<211> 754
<212> DNA
<213> Homo sapiens

```

715

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (660)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1111

```
tatagggaaa gctggtacgc ctgcaggtac cgggtccggaa ttcccggggtc gacccacgcg 60
tccgcaaatt cttttgtcaa atttgcaaatt attgaagaag acacaccatc ctatcacaga 120
cgttatgact tttttgtgtc tgcattcagt gccatgtgcc attcctgtca tagtgatcca 180
gaaatacgaa cagagatacg aattgctgga attagaggta ttcaagggtg ggttcgcaaa 240
acagtcaacg atgaacttcg ggccaccatt tgggaacctc agcatatgga taagattggt 300
ccatccctcc tgtttaacat gcaaaagata gaagaagttg acagtcgcat aggccctcct 360
tcttctcctt ctgcaactga caaagaagag aatcctgctg tgctggctga aaactgtttc 420
agagaactgc tgggtcgagc aacttttggg aatatgaata atgctgktag accagttttt 480
gcgcatttag atcatcacia actgkgggat cccaatgaat ttgcagttca ctgctttaaa 540
attataatgt attccattca ggctcagtat tctcaccatg tgatccagga gattctagga 600
caccttgatg ctcgtaaaaa agatgctccc gggttcgagc aggtattatt caggttctgn 660
tagaggctgt tgcattgctg ctaaggttca taggtcgaca gtgcgaagct tcataccttt 720
gaacatcgcg ctcagcgtga tcgaacaatg attc 754
```

&lt;210&gt; 1112

&lt;211&gt; 624

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (562)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (591)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1112

## 716

```

ggtcctgagc tggctgccgc ttccaagaca gtcgctttga gggctcttgg caccgatttt 60
gttaaaatgc atgagcttag gggtgtgcag cctgtagggg caggggtggg ctcagaatgg 120
atttgggtggc cccaccgtta attaaagctc tgaccctgg gccggtggg aggtgggaag 180
atgagcctgt gtctcccatg ctgagccaag atcctcaggt accagtagcg gtcaaagcac 240
ctgctccctg aaggaagctt acctggctta gcctcattcc tgctcgtaag tcaggcattc 300
agcttgcaaa gatccccaag cacacaagga gagtcagctg actgagggcc aacagaaaca 360
gcaggcagcc gctgtcagcc acaaagaaac gcagatcctg aaactgtcat catacagggtg 420
agaggatagt tatgtgtgag gtgttcaaag aaagtcgcgc agtcagtgat gagaaagctg 480
katgggtaca tactgtcacg catgaatagg caggactcct taaagaactt tttgggaaat 540
gaaaaacang ccangtgcaa tnggttcag cctataatcc ccaacacttt nggaggccta 600
aagggggagg atcactttga ncct                                     624

```

&lt;210&gt; 1113

&lt;211&gt; 660

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (658)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1113

```

ggaggggaaa agccccctct tggcaccccc tcttccttga ctgctgtccc ctaccakcc 60
ttgccccctt catccttttg cgtttgggtat tgagactctc ctagacteta ctectctttc 120
ttttgtatgg acagttcccc ttcagtccca tccccctaca catacaccca gccggggcca 180
aatttatact tatataaaag ttgtaaatat gtgaaatttt atccctgtgc cttttcccca 240
cctcaggccc tacccttgga cctcccccaa ctttcttctt ctcttctttg gctgttgtaa 300
ttatctgggg tttgtactgt acatatccgg ggtgtgtgtg tgtgggctgg gggcaaccct 360
tctgtacaga gcttccctggc cccctccccc cccgccccct tgcctccctc cccaccacc 420
acctcaaggg tagggagtgt ctcttccctac ctgttttatt ttgttttctc gttctccctc 480
cccacccac tcccagcctt atctatcccc cctcactgtc cctttttctc cactcccagc 540
cccatttctt ttttttctgg agtgtgtggg gaaacagaaa aaaacatgtt taataaacgg 600
agattgttct tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaancc 660

```

&lt;210&gt; 1114

&lt;211&gt; 517

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (508)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1114

```

ttttgaaatg tttttgattg ttttatataa sctagagtga ctcccttacc cttattttag 60
atctgcataat atagttctag tatgaagttt aatagtttaag gagtttagcta tttgttatct 120
ttaagagtag ggtattgacg tgaacaattg cagtattttg catgatactg ttttatagat 180
gaccttttag gaaagtgggt cattttattaa ttgaactgaa gaagtagttc agttgaattc 240
agtatcataa ttcacaaatt ggaggctgtt gatttttgatt catttaaggt ttaaaatctt 300

```

## 717

```
tattaattgca aaacagtgca attatttata cttcacagtg ctttcccaga cttccacct 360
taggttctgc tgcaaaaagc accaggtaag cmcaacctaa ggacatatat aaataaatat 420
ttcaatrcat taatgttgct cctgtgaggt ttttgtgggt gtgtattcaa aggcaatctg 480
ctactgcttc cccaaaatgt attttgtnat tttatgc 517
```

&lt;210&gt; 1115

&lt;211&gt; 886

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1115

```
gccgtcntca aaaaaaaaaa aaaaaaaaaa acaaaaaaaaaa aacaaccag aaaaacccaa 60
aaaacaaaca aacaaaagaa ccaaaaaccc ctttctttca tgcctagatt cattccaaaa 120
agggtttaaga cagcaacaag tgattccagg atctcagctg tgggcatect tgtgttactg 180
gatggctgtg tgtaaytgt tagcagctgg aataagtga gaggggtctg tctcatact 240
caaagtcctt tgctcatgcc caaggccaga ggynactcat gctgaaacat taccatctcc 300
ctccaaagtg caggggtttag tctactgagta ctgggtggag cacatgactg gatcccagtt 360
aatccctccc agcttaccag taaaacctca ggattcatgc tttcctggga gccacctkcg 420
gccactaaga taggagcggg gttcagacat ggccaggcgc tctaatactc agacccaaag 480
tgcaattttt ggcagcctgc rtgagaagga ggggtgggagg aaaggtggct agaaccaagg 540
gtagcagcct ggggggcttga gaggaaaccc argcacagcc catcctacc tgtctcacga 600
gcagcccgtc ctctctctga ctccccctac cccacacacc gagecgccatt ctcttgctgc 660
ctcatctatt ctgggttaggt acttactgag catcaggtgc taggcaagtg gctggggaga 720
gacaacgttt aatgactcag tctccgcctg cacagagcct ttgagtctag agggagacac 780
agacttactg acaggctggg ttgtgtaata agtgctacgg gaggaaaagc tgagagtgtc 840
tgagaattta tgagatgtgt gtctcatcag acttgggcat caaaaa 886
```

&lt;210&gt; 1116

&lt;211&gt; 315

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c



718

&lt;400&gt; 1116

```
agacttatga taataagcaa tatttgcaga gtatttgtat gtgccanaca ctattgtaag 60
tgcttcatca tgtactgatt catttaatac tcacagaaat cgtaaatang ggtattattc 120
ttatcctcac tctatggatt aaaaaaacta aggcacaaag gggttaaagcc tccttgccctg 180
agattataga ctgtaagttt gaacgttgag cacttggaat acagarttca tgctgtaaac 240
taccacacta tagggcctcc aatatgataa ttataaaat atttgaataa aaaatgaata 300
ctagttccac atttt                                     315
```

&lt;210&gt; 1117

&lt;211&gt; 749

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1117

```
nccgacagtg accggntccg gaaattnccc gggtagcacc cacgcgtacc gccagcatgg 60
gccaacagaa caaggacctt gtctctatct tgttttttgt ttttgttttt gttttttcat 120
ttttcagtgt tcttaagttt aaaacaaaaa aaaaaaaaaa aagaaaaaga aatgcaaagc 180
tttattttat gagtcagagg acttgatact aagtcttaag attgtaatac tgccccctgcc 240
aagttaatct gcaaatcaaa caaattcaaa aaaacaaaaa cctccactcc cagatacctt 300
tttgcaaaaa ttgacaaktt gatcttaaaa tttatgtgga cccagagtag ccaaaataat 360
cttgataaat aacatatttg gagtactcac tcggatatca aaacttaggg caaaactaca 420
attataagac aggcataaag ataagcgaaa taaaagtcca gaaataaacc cttgtgtttt 480
gtagtcartt gatgtttggc aaaagttcca agacaattca aatgggaaag aatagtctct 540
tcaacaaatg gttttgggac aagtaaataat tgacccctcc tttatgcgat atacaaaagt 600
taaactcgaa atgtaacaaa cacctaaata taagaattaa aactataaaa ctctaagagg 660
aatatctaag ggtaaactct cactgacttt gggttacacaa agccttggtg atgtgacaag 720
tcacaaaaga aaaatagatg aacaccaca                                     749
```

&lt;210&gt; 1118

&lt;211&gt; 716

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

719

&lt;222&gt; (598)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (636)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (686)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1118

```

gggagatggc gtgcaagtat cgcgtgcggt gttctggtgc tagagtggag aggctggcaa 60
agaagaaggc acacgcatgg tgagaatccg gcctgagccg aagcggagtt tgctatggac 120
agcaaccatc aaagtaatta caaactcagt aaaactgaga agaagttctt aaggaaacag 180
attaaagcca agcatacttt gctgagacat gaaggcattg agacagtatc ctatgccact 240
cagagcctgg ttgttgccaa tgggtggttg ggtaatggtg tgagtcggaa ccagctgctc 300
ccggttttag agaaatgtgg actggtggat gctctcttaa tgccacctaa caagccgtac 360
tcatttgcaa gatacagaac tacagaagaa tctaagagag cctatgttac cctcaatgga 420
aaagaagtag tggatgattt aggacaaaag atcactctgt atttgaattt tgtggaaaaa 480
gtgcagtgga aggagttgag gcctcaagcc ttaccaccag gactcatggt agtagaagaa 540
ataatttctt ctgaggagga gaaaatgctt ttggaaagtg ttgattggac agaagatnca 600
gaccatcaaa actctcaaaa aatccttaaa acacanaaga gttaaagcatt ttggttatga 660
gttccactat gagaacaaca atgtanataa agataagcca ttatctgggg gtcctt 716

```

&lt;210&gt; 1119

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (265)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1119

```

gttagtgtat aatgagccca agtgtgattc ttcccatttg ggaattctgt gaatcctgct 60
gtaggttggt gcctgtctga ttataaaaaga ctaggetcat gtttttgctt taaatgtttg 120
agattatggt cttataacctt agtgcttctg gggcaatctg aacattgttt gctttgtaaa 180

```

720

```

ataatttctt ttagagtart ctcatgccaa atttactggc ctttgattca gtacagttgg 240
gtttactgta ttagtagtaaar ttganaccct gcgtanattg gtctcatggt agcattcttg 300
gggaagcttt gaaaaatttc ccaagttaaa aattccagaa attgatnttc cccagatctt 360
ta                                                    362

```

&lt;210&gt; 1120

&lt;211&gt; 1248

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1120

```

gcagaaatgc tggggcctgg aataaggag gagaggggac tggagagtgt ggggaatgga 60
aagaagcagt ttactctaga ctaaagagta tattggggga ggaagagagg gaggcacgta 120
tgaacaagca atgagaagac caggaaaaga aagagctgaa aatggagaaa gccacagtta 180
gaactgttgg atacaggaga agaaacagcg gctccactam agaccgccc cccggttkga 240
tgtccttcca agaatggaat cttccctgg tgatggtctc tcrccctgtc ttaccagcat 300
ccactctccc ttgtcctccc aggggtgtat ctgagtcagc cagtggcttc ttgatgatgg 360
tggtggtggt ttagtggtga caggtccctt ttaggttatt taagggtgca tgtccctgc 420
ttgaaccctg aaggccgggt aatgagccat ttccatggtg cccagctgag gaccaggtgt 480
ctctgagaat ccaaaccatcc tggagagtat ctgagaacca accaagtaaa agtctcgttg 540
ctcatatata gtagacaaag agccagaaaa ttaactgaaa agcagtttag acattggggg 600
aggcyggatc tctcgagctg tcttgctgag tgccctgtgt gtaagtccta ataaacttag 660
ctactcgcca agctggactt gtttgagtca ttccttggtc tcatggctcc tttcccgtt 720
tgagggcaag ttccctgtctc aagtttttgt cctaacagtg gtaaagggtga ttgtggtgat 780
gtcagcagac agcaagagga cttgacatgg ggtcggccct gcttggggcc agcgtacact 840
gagggaccga tgacatttca atgaaactcc aaatgctata ttggaaacgt tgatgtgtga 900
agaaaaataa aagcaaaacc agatgccagg aacaagtcaa aatgtttgtg tgcattgagg 960
agatgaacca gcctgcagtc aagagacccc atctctctga gcctcagttt cctcatcagc 1020
tgggaaaggg gggctggaca agatgatatc tcacatccac ctggccctct tctcttgtgt 1080
tctagagact tgtgttcaag caacactgac tgatgactga gccttttgtt gctgatatat 1140
gggctccccct aggtctctggg tgcctgactt ctcttctc tgaattcttct tccaggctct 1200
cagggagcta ggcctccatg gcccttctg cttactctcc agactgcc 1248

```

&lt;210&gt; 1121

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1121

```

gtgatccctt cagattgaat taacgaaaag acaacacttc cagtttttgg attgggaaat 60
accttcta attgagactata gccaaaccag ggccaaaatt atggatattg gtcaccagc 120
gatcataact aggcttgaaa atcactacac atattttctg ccttgagtga acatttttag 180
aggaaaaggt atgccatctt tttaccctaa ccactgatat tctggttagc agggccagga 240
caaggggaag gaaaatgagg tcaacaaaaa aatcaaattt ttaggaaaag ataagatgaa 300
tgttactgat ttttcctttt ggctgaggct gcaatatggc ctggcaaggc actgktactg 360
atcttgkctt taacattttt atattttgtt catcataatt tttgcattta tttttttaa 420
tattgcatta aaatatcatt tagcttgatt atcgagtttt ttggtttgag gttttttgtt 480
gcttcttttt tcttttcttt ctttccccct cttttttttt gatgtcccct taaattttgt 540
ccaaggcag gtacctcact catctcatcc ttggctcagc cctgctgggt agtatattagt 600
atttatttta gtaagatatt tgtgtctgta tgatggtcag agttgaactg atctggcttg 660
tcatttttca gtaataaaaa aagttactga atttaaaaaa aaaaaaaaaa aaaaaaaaaa 720

```

721

aaa

723

&lt;210&gt; 1122

&lt;211&gt; 782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1122

```

tttattctca gaagacttac tatgaatgag ctaaatagtg tttcagatct ggatcgttgc 60
catttatacc tgatggtggt aactgagctt ataaatctgc atttgaaggt tgggtggaaa 120
aggggtaacc ctatctggag agttatttct cttttgaaaa atgcatccat tcagcatctt 180
caagagatgg acagtggaca ggagccaaca gttggaagtc agattcagag agtagtgagc 240
atggctgcct tggccatggt gtgtgaggcc atagaccaga agcctgagct gcagctggac 300
tctctccatg ctgggcccct ggaaagcttc ctttcctctc ttcagctcaa tcagacgctg 360
cagaagcccc acgcagagga gcagagcagt tatgctcacc ccttgagtg cagcagtgtt 420
ttggaagaat cgctatcttc ccaaggatgg ggaaaaatag ttgcacaata tattcatgat 480
caatgggtgt gcctctcttt cctgttgaaa aaatatcaca cccttatacc aaccacaggg 540
agtgaaatte tggaaccgtt tctacctgcc gttcagatgc caataaggac tttgcagtct 600
gcactagaag ccctcacagt tctttcttct gatcaagttt taccagtgtt ccattgcttg 660
aaagtgttgg ttcccaactt ctgacttcct ctgaatcact ctgcatagag cttttgacat 720
ggctggaaaa tatatcttct ttaagcacac tcagctgata ttctgggcta attaaaagct 780
tt

```

&lt;210&gt; 1123

&lt;211&gt; 768

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1123

```

ctagttctag atcgcgagcg gccgcccttt tttttttaaa gaaacacttt ttattttgaa 60
gtaattatag tctcatagga agttgcaaaa gtagtacata gaggccctga gtactcttcc 120
cccagtggtg acaactgtag tataatatca attctgggaa attgacattg gtacaatacc 180
aaatatacta tgcctttttc tctaaggcat gatgttgag tagcatcctt gtacatgtag 240
ctaggagaac ttgtactaag cccagataaa tagttgaagt acaagggcra ggagtgtgtc 300
tttgataatt taatagaaat cacctattgc cctctagaaa agctgtaccc ttttccagt 360
gcagagaacc ttccctgaaag gcagtcctgt gtaatggtgt ccatttcac acacccttaa 420
aacactcagc ttttaacaaac atgcagattt ttgctgatgt gggagaaaat attaatatt 480
aatgataatta aggtgattat cttttcgtat gtttatagat atttgtattt ctttttaaat 540
gaactgctca tgacctttgt ctacttttat ttgggtttac ttctttctca tttattccta 600
taaactcttt ataaaaggaa attaaccatt tgattgtcat atgttgtgaa tttttttacc 660
attttgactt ttgaatttat gtctttttta tgaattgtag aagtttataa tctttatgga 720
ataaatttat ttagtttttt gttaaaaaaa aaaaaagaaa aaagacaa 768

```

&lt;210&gt; 1124

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

722

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1124

```

agcaggccag gctccccctcg gcaaacctgt ctaattgggg cggggagcgg anttcctcct 60
ctgaggggccc tgcgcgctgc cagatttggt ttcccgcccc tgccctccgcg gctcggaggc 120
gagcgggaagg tgccccgggg ccgaggcccc tgacggggcg ggcgggagcc ccggcagtc 180
ggggtcgccc gcgaggggcca tgctcgctgtt gggggacccg ctacaggccc tgccnacctc 240
ggccgcccc acangggccg ctgctcgccc ctcc 274

```

&lt;210&gt; 1125

&lt;211&gt; 1135

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1125

```

aattcggcac gaggagctac ggaaggaggg ctttgacccg gctattgtga aagaccgcgt 60
gttctatcta gatgcccaga agggccgcta cgtcccgcgt gaccaagagg cctacagccg 120
catccaggca ggcgaggaga agctgtgatt ccccccatcc ctctgagggc cggcggatgc 180
tggatccgga gccccagggt ccgccccaga gcggtccttg acaaggccag accaaagcaa 240
gcagggcctg gcacctccat cctgagggtg tgccccctca tccaaaactg ccaagtgact 300
cattgccttc ccaaccttc cagaggcttt ctgtgaaagt tcatgtcca agttccgtct 360
tctgggctgg gcaggccctc tggttcccag gctgagactg acgggttttc tcaggatgat 420
gtcttggtg agggtaggga gaggacaagg ggtcaccgag cccttcccag agagcaggga 480
gcttataaat ggaaccagag cagaagtccc cagactcagg aagtcaacag agtgggcagg 540
gacagtggta gcatccatct ggtggccaaa gagaatcgta gccccagagc tgcccaagtt 600
cactgggctc cacccccacc tccaggaggg gaggagagga cctgacatct gtaggtggcc 660
cctgatgccc catctacagc aggaggtcag gaccacgccc ctggcctctc cccactcccc 720
cactcctctc cctgggtggc tgccctgatta tccctcaggc agggcctctc agtccttggtg 780
gggtctgtgt acctccatct cagtcttggc ctggctatga ggggaggagg aatgggagag 840
ggggctcagg ggccaataaa ctctgccttg agtcctccta gcctgtgtgc aaaccaccca 900
agcccacct gacccagaa cccacagcc ccaactgtgg cgttgatcc cccacgcaa 960
ccccctggcc cattgaccgc cctcatctgt tcaatcactt atctaagctg aggggtgtagc 1020
aggtaagatg ccgcagcccc tgccctccaa gtgctggttc agccggggca gtgcccattg 1080
gaatctggca aggtgtttaa cagtgtgggc ttgaaagtcc aaacaaaaa aaaaa 1135

```

&lt;210&gt; 1126

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

723

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1126

```

aattcggcac gaggacaaaa ccaattaaac cggctctcaa atcagcagag gtggaattga 60
agacaggagg aaataattca aatcagggtt ctgaaactga tgaaaaagaa gacctgctgc 120
atgaaaaccg cttgatgcaa gatgaaattg ccaggctcag gctggaaaaa gacacaataa 180
aaaacaaaaa cctggaaaag aaataactta aagactttga aattgtgaaa agaaagcatg 240
aagaccttca aaaggctcta aaacgggaat ggggaaacat tagcaaaaac gatagcctgt 300
tatagtggac agcttgctgc tctgacagwt gaaaacacaa cgctccgttc cmaactggag 360
aagcaaagag agagcaggca agactgggra cagaatgcat cctaccttgt aggctgatgc 420
tgttcgttgt gttcnggttc aagtca                                     446

```

&lt;210&gt; 1127

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1127

```

cctcatctct atggctctat ggctgtacat taggacctag aacagtggcc cattgctctt 60
agactggaac catgtccact aaaataaacc taagcagatg ttgtagacct agccccacag 120
gactgcattt agctgcttca gtgacacttt gatgaaagta tggagaagtg gagacattat 180
agataaaata tatcaattcc cagagaaaaa tcttgactta aaaacttaac tgtagtaaat 240
atatcttttt cagggtgatga attatttttt taaaaagggt tacatatagg aattctgcag 300
tataatttgg aggctattag tgctatatta atggaaatta attatttttt aagtaagtcc 360
aaaaaataat ctagaaagta agtttccaga gcaaatctga cctagcattt ggtatgctag 420
gctctgcttt tcatgatttt gaaataaatc ataattagac ttaacaatat ggagaaaata 480
aacttgattt tttaagtgtt ctggttgctt attttctgtt tcatccaact caataattct 540
gataaataaa tttgggttcta gtttaaaaaa aaa                                     573

```

&lt;210&gt; 1128

&lt;211&gt; 2229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (872)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1968)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1128

```

tcgacccacg cgtccgcccc cgcgtccgcc tgactttctc tcccggccag ttctcgagcg 60
cctcaccggg cctcgccctg cagcctcgct ctcgctggcg ctgcgcggcc taggggactg 120
ggctgctggc ctccgggtgc ggggtggggg caggctccga cctggggcgt cctggcagcg 180
cgagccgcgg gatggggggc cgggcccgcg aggaggcgcc gctgctgtgt cccttggtgg 240

```

724

```

agagggcgct gccggccctg cgcgggtttcc agccaggaag cttcggggaag cctggacgtc 300
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gaggtgactt cgctgtgat ggacttccag tgtgagcact ggccagagtg accaggctga 420
ccagcaccag ccctgatcca gatgcagagg ccaggatgtg ggcccagccc tgtgccagga 480
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gtgttgctgt gtattcctgc cggccagggg ccactgccag gaccacgcct cccttttcat 600
atcccgattc ttaagttctg ctattgtggg attctggtgg agaaaaaaga accgcgtggc 660
tgtttttgaa ctgcctggaa cctaagaccc tgaattcttt tccccccaa ggggaaaatc 720
tatatggaaa acatttattt taaaatacag gatgaagtga attaaaagat ttaaagtcac 780
atttctttta ggataatatt tctgtgttgg caaaatttga gagtaaattg gtcttgaatg 840
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ggtgctcagc cctgggcatt acataaaagc tgtttattga cattacgttc ttcagagtaa 1440
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cagtcgcgcc cgtaggtgca gtcggtgctg tgctgcctt ggcgggcnaa gatcgccatc 1980
ggcctgctgg agttcgtgga ggagctcttc cacggtctt acgggacttt ctacatgtgt 2040
gagaccacac tggccaacgt gggctacaca gccacctacg acttcaagat ggccgacctg 2100
cagcaggtgg cacccgaggc caccgtgcgc cgcttctct cgtgccgaat tcctgcagcc 2160
cgggggatcc actagttcta gagcggccgc caccgcggtg gagcaccagc tttgttccct 2220
tagtgagct 2229

```

&lt;210&gt; 1129

&lt;211&gt; 949

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1129

```

agctaccacc tcaagctttc aaccacattg ccaagttatg cagccttaaa cgacttggtc 60
tctatcgaac aaaagtagag attgaagact atgatgtgat agctagcatg ataggagcca 120
agtgtaaaaa actccggacc ctggatctgt ggagatgtaa gaatattact gagaatggaa 180
tagcagaact ggcttctggg tgtccactac tggaggagct tgaccttggc tggtgccaa 240
tctgcagaca scaccgggtg ttcaccagac tggcacacca gctcccaaac ttgcaaaaac 300
tctttcttac agctaataga tctgtgtgtg acacagacat tgatgaattg gcatgttaatt 360
gtaccagggt acagcasctg gacatattak gaacaagaat ggtaagtccg gcatccttaa 420
gaaaactcct ggaatcttgt aaagatcttt ctttacttga tgtgtccttc tgttcgcaga 480
ttgataacag agctgtgcta gaactgaatg caagctttcc aaaagtgttc ataaaaaaga 540
gctttactca gtgacttaat atatgttctg tattaaaatt aatgtgcttt gttgggggtt 600

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725

```

aatttttgga ttggtttttg gttttgtttt tagttgtttt aatggtaaga attaagacat 660
ttgtagattt taaagaaaaa tatgaaattg tccattaaat caagtaaaaa tgtgcacaaa 720
tgttttcata aaatactgca agcactttct ttcaagaata tgagtggata ttatttttac 780
cttatgttaa tcagtgatat gctttagtca ataatatgat tgataaaaga ataacatgga 840
atcatgctaa cttatttttca aaggaacact gagcaataaa gtatcgtggc atttatgcaa 900
aaaaaaaaagt taattttttta caccttcacg taaggatgac ttattaaag 949

```

&lt;210&gt; 1130

&lt;211&gt; 1418

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1130

```

agggtttcct ggataggctt gctgaagatg aaggggacag tgagccagag gccgttggac 60
agtccagggg agaagacaga agaagtagag aggcagggcc tggtagacagt atcagtgagt 120
gccatacaga attgtgtatt caccagcatc atgaaacagt tgtggtcttt tgagtgtatc 180
ttggcagagt aaagggacgt gtcctggagc cattcctgaa tctcccttc tttgtgacag 240
ctcctcccac ccccccaaaa aataaaaaaa ccacaaaaaa caaaaaaaca aaactaaggc 300
acttcactta gagactggag tcctgcttat aatcatgcat ataaccttta ctttgatgga 360
tctggccaga ggggtgttgg agcccagccc acccacatac cagtcaagct cttaggggag 420
cagaagaaaa gcaggaagaa tttaaatggt taattttttt tttaaattga cttttctagt 480
tattaaagt tgcttgtttc agcagtgata ttgtataaag aacatcttgt aagatactcc 540
tgacatcttg ctttagcaca tgtacagtac agtttctatg ataatgtgtt tgctctaact 600
tccctggctt ctccctcagc ccattccact tcctctagag cagttgggtt ggaggctcat 660
tgaggcaagc agcaacattg gagggggagc agggcagtg cgtgtctgct gcctcccatg 720
cccgttctga cctcagcctt ggaactcctc aagaacctga agattccagt ggtcagtgct 780
gggtggggggg gggaggagag agcggcagag aagctctgag agccccttc cccacaacaa 840
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ctcctgcccc aggacgacga ggattgctcc agggctgctg ggtagtttac cgtcccttct 1140
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tgctcctac atccagtctg ttcttgttca tagtgagaat cctgtgttcc cacttcagtg 1260
acacctgaat tgtttgttgt tgtttttttt ttttattgtc ttcaaagagg aagggcccca 1320
ttaaagggtg aacttgtaat aaattggaat ttcaaataaa cctcatgtac ttgtgtttat 1380
aaagaaraaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1418

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&lt;210&gt; 1131

&lt;211&gt; 1662

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1656)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1661)



726

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1131

```

aacacatcag wactcataca ggagaaaggc cctttaagtg tcccttcgaa ggctgcggtc 60
ggtccttttac aacatcaaat atcagaaaag tgcacgttag gacacacaca ggagaaagac 120
cttattactg cacagagcca ggatgtggga gggcatttgc cagtgcacaa aattataaaa 180
accatgtgag gatacacaca ggagaaaagc catatgtttg tacagttcct ggggtgtgaca 240
aaagggtttac agaataattcc agtttgtaca aacatcatgt tgtccacact cattccaaac 300
cttacaactg taaccactgt ggggaagacat acaagcagat ctccacgctg gccatgcaca 360
aacggacagc ccacaacgac actgagccca tcgaggagga gcaggaagcc ttctttgagc 420
cgcccccagg tcaaggtgaa gatgttctta aagggtccca gattacgtat gttacaggtg 480
tagaagggga cgacgttggt tctacacaag tagccacagt aaccaatct ggactgagtc 540
aacaagttac actcatatcc caggatggga ctacagcatg caacatatct caagctgaca 600
tgcaggccat tggcaacacc atcacaatgg taacgcagga tggcacgccc atcacagtcc 660
ccgccccatga tgcagtcac tcctcagcag gaacgcactc tgttgctatg gttactgctg 720
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cctcatcaga aatggggcac cagcagcata gccatcactt agtaaccaca gaaaccagac 840
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catctctgga agaagccatc agaatagcgt ctagaatcca acaaggagaa acgccagggt 960
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ttatattggc attacattga attatgtaca aaattataaa atttgggttat ttaaaattaa 1620
aaagttaaatt ccaaaaaaaaaa aaaaaaaaaa aaaaangggg ng 1662

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&lt;210&gt; 1132

&lt;211&gt; 387

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1132

```

ggcacgaggt ttttaaagat agggtcctgc catgttgccc aggcttgact tgaactccta 60
ggtcaagtga tcctcccatc tcagcctcct gagtagctgc gactacagga accagccacc 120
acacacccat gtccacccac cttagggtta atctttgtta ctagccctca ctactcagaa 180
ttggtgagac ctctccattt ctgcttcaact cagcttacgt ggtttgctca cactgacacc 240
aacaacaccc tgtcaatccc tatgtccctc ctgtcttcca aaaataccta gaaattgctg 300
ctctattgac ggtagtattt cttgttttct agtgttgcta ttatttctct attgtactcg 360
gttttgcatt ttagtcacct gaatgtc 387

```

&lt;210&gt; 1133

&lt;211&gt; 82

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

727

&lt;400&gt; 1133

tcgacccacg cgtccgggtc tagatcgcgga gcggccgccc tttttttttt ttttaaactg 60  
ttctgcactg gcaaaaaaaaa aa 82

&lt;210&gt; 1134

&lt;211&gt; 806

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1134

ggagaccaga gtgggaggaa ggcggggagt ccagggttccg ccccgaggcc gacttctctc 60  
tggtcggcgg ctgcagcggg gtgagcggcg gcagcggccg gggatcctgg agccatgggg 120  
cgcgcgcgcg acgccatcct ggatgcgctg gagaacctga ccgccgagga gctcaagaag 180  
ttcaagctga agctgctgtc ggtgccgctg cgcgagggct acgggcgcac cccgcggggc 240  
gcgctgctgt ccatggacgc cttggacctc accgacaagc tggtcagctt ctacctggag 300  
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cctcctcagt cggcagccaa gccaggcctg cactttatag accagcaccg ggctgcgctt 480  
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gatgagcagt accaggcagt gcgggcccag cccaccaacc caagcaagat gcggaagctc 600  
ttcagtttca caccagcctg gaactggacc tgcaaggact tgctcctyca ggccctaagg 660  
gagtccagct cctacctggt ggaggacctk gagcggagct gaggtcctt cccagcaaca 720  
ctccggtcac ccctggcaat cccaccaaat cactctgaat ctgatctttt tatacacaat 780  
atacgaaaag ccagcttgaa aaaaaa 806

&lt;210&gt; 1135

&lt;211&gt; 639

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1135

gagctgaagc tgctgtcggg gccgctgcgc gagggctacg ggcgcgcgcg acgccatcct 60  
ggatgcgctg gagaacctga ccgccgagga gctcaagaag ttcaagctgg tcagcttcta 120  
cctggagacc tacggcgccg agctcacccg taactgtctg cgcgacatgg gcctgcagga 180  
gatggccggg cagctgcagg cggccacgca ccagggtctt ggagccgcgc cagctgggat 240  
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tgcgcttata gcgaggggtc caaacgttga gtggctgctg gatgctctgt acgggaaggt 360  
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aagctcttca gtttcacacc agcctggaac tggacctgca aggacttgct cctccaggcc 480  
ctaaggaggt cccagtccta cctggtggag gacctggagc ggagctgagg ctcccttcca 540  
gcaacactcc ggtcagccct ggcaatccca ccaaatcatc ctgaatctga tctttttata 600  
cacaatatat gaaaagccag cttgaaaaaa aaaaaaaaaa 639

&lt;210&gt; 1136

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (427)

728

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1136

```

gtccggaatt cccgggtcga cccacgcgtc ccaaaaaaaaa gcaaatgctg aaatcctatt 60
ggcaaagtaa actgaaattg gctgctatat tttatataat ctttctgca aatccccattt 120
tttgaatact aatatttgac atgggttaatt cttattaatt tgttggaatt gtttattggtt 180
aataatgcaa atagataatt tttaattatc cacaagtaac atttctactgt taatgggttg 240
aaataggtga taagcaaacc aatttgaaat aaaatataaa catgtgccat tgtattataa 300
cactatacac tttcttgaca gttaaattta aaaaaaaatt ttttttggtg gcatgtattg 360
tatatgttta tagtatatgt agtaaataaa aatatggcca aaaaaaaaaa aaaaaaatta 420
ctgcgggccg acaaggaat tc                                     442

```

&lt;210&gt; 1137

&lt;211&gt; 673

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (647)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (652)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (662)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (668)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1137

```

aacaaatggt gtcacttgaa ataccaaaac aacatttctg agcgttggtg agggactggc 60
aaagcaatca gctactataa caaatcagta grrataaccc tcccacacca gatatgcatg 120
cagaaggaat ggagtattat agagacttga tacaatggac atatgcacat ggagggtacaa 180
aacacacagt ctaaatacaa atgaattcca tcagatttac tatacgggaac atcagtagtg 240
acagattgca cttcttactt aataacagca aacttaattt ctgaggggaa aaaaatggcg 300
aagtcttatc ccaaacaaat agcaagagag gtatcatcaa gagctaaaat tttctttggc 360
atggtaaagg gggaaattga gtttaccaac ttatttacat gacatttctc tatattggtg 420
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taaatatattt attcaatatg ttgtatttgt gaatttaaca aatgatatta aacacaaaact 540
acaatgcaga caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cnttttaaag 660
gntccaantt tac                                     673

```

729

<210> 1138  
 <211> 558  
 <212> DNA  
 <213> Homo sapiens

<400> 1138  
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 tcctgggacc tacgagatat ggccctgctt ctgaacgcag agaacaaaac ggaagccgtg 180  
 ccccgagtgg gaggacttct tgggaagtat atcgatagac ttattcagct tgagtggctg 240  
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 tttcaccatg aagaaatcca cccatcacat tatgcatttg agacttcccc tagaccatt 480  
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 gaaaagaaaa aaaaaaaaaa 558

<210> 1139  
 <211> 789  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (59)  
 <223> n equals a,t,g, or c

<400> 1139  
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 attctttcatt ggataacttg aaggctttga tttcttttaa aattttaaatt ttagtrtgta 240  
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 atactgaaga ttgtactatg aagtttattg aataattttc ataaattatt tatccaaatg 360  
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 gagaggctag taagtttgat gctattcttg ccaaacaaac tcagccaaaa tctttaaagt 480  
 aacaagaggg aaaaggatga ctaatcgctt tgcttctgag tacattttcc aaaacgttgg 540  
 aaagaaactt ctgaattgaa atcttgaaatg tattgaatct gtcaaggtag acagcggtag 600  
 ctttgtaaat gttcattact ttatttaatc aggtgataag tgggtgtaatg tagcagagct 660  
 taagaataga actcaattat cactttttgt gaacaagttg gaattgtcat gttactgtgt 720  
 aattgatattg ctttacaaatg aacaataaat ttaataaaat aaaaaaaaaa aaaaaaaggg 780  
 cggccgctc 789

<210> 1140  
 <211> 830  
 <212> DNA  
 <213> Homo sapiens

<400> 1140  
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 gcaatacatc ttgatctttt aatattctta tctgatattg tgtaattcaa ttcctaaact 120

## 730

```

gatagttacc ttgaattttg cgaaaagggt tgggtgggtt tttttaaaca tgaaattgag 180
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ctgatttaat actttacaga acattttatt cagatatcaa tttgttacat aaacatttca 300
gcaatgatac aaagataact gataaaatat attacattca atgagggttt ctttacaat 360
gctctacttg aggtctgtgt cttaaagatg gcatgacacc taagtacaag acatcaactg 420
aatgaggatt ttaaaaaatg gtatataagc ataggacaag ggctatgttt gtttggtttt 480
caaaagtgct ttgaagataa cagccttttag gtttgagtta tttcactttt cataattttt 540
aagtagctta tatataatgg tgggtaccata ggattttctt ttttcaaag actgtcggca 600
gaaacagtgg gcaactgact accttttgag ttttagcaga gaattattta tttctttaca 660
atgcactttc taaccattg tagctatatt agcattatct tttaaaaaag acatgctttt 720
gtattttaa atgttaggat ttaagtgkct ttctcaaaat agcytattcc tttctgaaag 780
aaaatgaggg aaatactctg aattattagg agacttaaac ccaatattta 830

```

<210> 1141

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1108)

<223> n equals a,t,g, or c

<400> 1141

```

catttaatac tggagttagc cacatgtgat tagtggctat ggtattggac agggaaggta 60
cagaatactt ccatcaacat agaaaattct atcagtctag ctctaggggc agatagtcct 120
tccactgact tgggcaagtc actctacaaa tggcatctac ctccatgggt tatggtgaga 180
attcagcgta tgtatgtaca tgcaggcaca caatatgcac acagacacat aacatagtag 240
accctttcct gaaaagcctg acacatggag ctcaaacatg agtgccaccc acccctgggc 300
agcaccaaga tggctctagt ctgggtgcct ttgtctcacc cccatgcctt tgctcggagt 360
gtgctcctca tttttctgcc actttgaccc tgtctctgat ttggtcctgt ctgacatcac 420
tgctatatgc tttgtcctc tcaatttcct ctgccctcat gccagcagga gtcatgccag 480
agatcatatc tgagaaagca agacaatttt gtgtgtgtgt ctgtgcccac agaggagtgc 540
tggttgtgtt gatatagttg tagattgggt gtgtttacac agttgtatat attgacaccc 600
ttgagtgtta tgacttcttt tgggggtggt cgctttttaa atcataactt ttaatgggat 660
tccatttttag tctttgtgaa gacataaggt tggtggcagg catctgtccc tgggagcatc 720
caagcagaaa agactaagac tccctttagt acagatcact ggccgccact gaagtgtgtc 780
tgcatggcac cacagggtctg gaagaccctt gaaggcagga attcaaggaa atgtatgatg 840
aattttggca ttgccatcaa aagcagaaca ggcatggaaa acttgggtga gtgggcgaga 900
caacctctc accacagcag agttccatcc atgcctggat aatgakggag ggatttgtgt 960
ccactgcagt ggggaaccat gaaggacaca tcaagggtgt ggttggcctg tggtgctctt 1020
tggaggaatg aataaaaaatg aatagaaatc ctaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaggnntt 1110

```

<210> 1142

<211> 406

## 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<400> 1142

```
gttaaaaatg gaaagcagaa agtaactgca gtgatgaaca ttttgggtcca aattcttggtt 60
ttaaatctta cacctgaaaag taaaatatgt ggatcacttt tccctgtcta aactccagga 120
tacagtatcc aatttatcca aacagaactg tgggtgtcaat gtgtaattaa ttgtgtaaaa 180
tagccttccc aagtttcttt ttccctggaa aaataaaaaa ggtaatagaa cttgtagttt 240
tatgtaaacc ccatgtcatg aggaggtact agttccaagc aacaaactcc ttaatttgct 300
ctaatagata ggtatggttt aatctttcca ttgtgtcttt tcatttaatt ttcctgaagc 360
ttgcaggata gattgaaatg ttataggttt gtttggantt aaccac 406
```

<210> 1143

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 1143

```
ggtccttccc acgcgtccgg cgactgcagc gggtnccgtg caggtgaggg gcgcgcgcct 60
gcccagcttt gcagcccccg aacgcggcct cgcacagata cccagacaaa tggattctaa 120
aatttgaata gaagagcaaa gaaaatagga accaatttga aggactacaa ggtggactgc 180
ttgctcagct cagtatcaac acttatggag tcattgcagt ttccagtaga ggtgtacttc 240
tgagaagtgg cttcttgggt cttcatgcag ccatggatct ggatwaacca tctgtttggg 300
gtcattaaaa acagcggacc aggccattgt tgatcaactt gagcawgaag aaggtgaaaa 360
agaacccaag taagcccca gatctacggg caaggcatca cttggaccgg cgnctcanc 420
t 421
```

<210> 1144

<211> 266

<212> DNA

<213> Homo sapiens

732

&lt;400&gt; 1144

```
aaaagtgtag ttatcgtaac atcaccttga aacaactttg ttactgggat acatttaatt 60
aagcaactac catgaatgta gtcggtacct tgccttacgt gcttcagtat atatgttggt 120
cttggttttat gtacaggcta aatttgkaga ttgaatagca gaatattagt tctgwtctta 180
tagggcctac tgstgtattc agagttatga agctacgttt cttctgcgtt tggctgcacc 240
atgaaatcct aagaagacct aaacc                                     266
```

&lt;210&gt; 1145

&lt;211&gt; 725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1145

```
gcatnaaatg caagtataaa acattccaaa ttaaaataga atatgcacat tgttcaaagg 60
caaaactcct accctactat atatatattta catccctcat tttttcccc tctaaaatgc 120
attggtattc aggattagaa tctgaatcct ttgctataaa gttgacatac atnggtttta 180
atcccttgaa agttcagtaa agacctaaaa ggaaaagcat cctaccacac cacactcatg 240
ttgtatgtgc aactattata gtggcttaga gacactagtt cgtggtcttc gtttctatat 300
tagtaaagat gttagaggaa attaactctgt ttggtgcatc agggtttaat gtgaccatgt 360
tgkataacta ttctgaaagg taagaagttt ttcactggag tacagtcact ggctgagaac 420
atttaagttt ttttttgaag catacacagt taacaactat tgcaggaaga actctgaatt 480
aaatttcagg cccagagttt tgatttaaac tccaaaccct tggaaaaaaa gactgctgga 540
aaatatgaaa gaacccttcg tttcttaacc cccacaagtc cttttattgc acttactttc 600
atgtatttga ggatgagagg agctttaaat caacaataat tcactaagga ataatgcaag 660
gtggtctatt gtaacatttt atgatattat tgccctggaa ataaaagata ctgaacaatg 720
taaaa                                             725
```

&lt;210&gt; 1146

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1146

```
cccacgcgtc cgcccacgcg tccggttcaa aattcaacag tgtatgtcat tgccttctct 60
atagggtagc agtcgtcctt cacactatca tgttttatgg gatgataact gctttactgc 120
```

## 733

```

agatgaactt cagctgctaa cttaccagct ctgccacact tacgtacgct gtacacgata 180
tgtttctata cctgcaccag cgtattatgc tcacctggta gcatttagag ccagatatca 240
tcttgtggac aaagaacatg acaggtaata taaaagcata acaggttctc acccaaattcc 300
cmatattgtc tgcatggtag gattttcaak ttccacaagc tattaacgga rctcmgygat 360
ccatgtkaaa aatgatgama gaactgactg cccaangatt cctatttgaa aatatattgg 420
tctaggctca tttag                                     435

```

<210> 1147

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1147

```

gtgttaatgt gtgtgtatgt gctttggttg taggaaaact tgaaaattcc aaaatcctta 60
ttttcctatt tgagaggctg gttcagcagg gtgtgtgtgt gtgtgtgtgt gtgtgtgtat 120
gaatggtata tttattacat ttttttgaaa gagaattagt gtgttatgtg gataatgtta 180
tatacagcca aagtggatgt ttctrtttgg caaggaaggt aggatttctg aaactcaggc 240
cttaaccaat aggttggaag acaagaccaa ttgaagagtt aggaaatgtg agtttttgtt 300
acttctgtta ttccagtctt ggtttcattg tctcattctt tttttttaa atcttgtgcc 360
taaaagtttt tttgcttaat tatgaagtag acatgcatgt ttacatttat gtaaaatatt 420
tgctgtgtaa agtatttttt gtttattctc ttaaaagatc actatattta aataaaagtg 480
aaggtcagca acmcaaarar aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa          533

```

<210> 1148

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 1148

```

tgacatggta gcgcacgcct gtagtcccag ctactcanga ggctaagggtg ggaggatcac 60
ttgagcctgg gaggcagagg ttgcagtaag ctgagtaagc caagatcatg ctattgcaact 120
ctagcctgga tgacagagtg agaccttgtc tcaatgaaaa agcagggggc actkggaggg 180
ggaaccaaatt gccctatcct ccagttctca gcatatagaa gggagctctc tcatctgcta 240
gccactcctg cctcactgtg ccatgctttc tgtaatgcac tctgggtcca gggactgctt 300
ggcaggagng tgggaagaac aagaagttta gggccttccc agtttcttag ggccctgtctg 360
gagaggggaac tagcgtttac tgagttttta cgatgt                                     396

```

<210> 1149

<211> 540

<212> DNA

<213> Homo sapiens



734

<220>  
 <221> misc feature  
 <222> (136)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (445)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (506)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (515)  
 <223> n equals a,t,g, or c

<400> 1149  
 gagaggaaaa ggaatgaaga aaaatgaata gatcttcaga tacctgtgag acaccctcaa 60  
 gtgtgccaat gtatacctaa cgggagtccc agaagacagg agagaaaaaa agaaagaaat 120  
 aaaaagaata tttganttta aaattgcttg aaaatgtctc aaatttgatg aaaaatatta 180  
 ctctgcacat tcaacccatg aactataagt tgtataaaat caaaaagttt cacaccaagg 240  
 cgtgtcatag ccaaactgtc aaaagccaaa gacacagaat cttgaaagca gtgagagcaa 300  
 agcagacaag ggatccccaa taggattaac agcagatttc tcatccagaa gccatgcaag 360  
 cccagaaaagg ctatgggaga catactccaa aatgctgaaa taaaaactgt ccaacaaaca 420  
 tttccccatc cccagcaaaa atccnaaaac aaaggaaaat cttgttgcat gttnaacctg 480  
 aataaaattg gtttccccgc cggtingttt ggatnaaatt ttccccccct taatgttcca 540

<210> 1150  
 <211> 1481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<400> 1150  
 agaggcttgg cttngaaaca tccggggaga gttgggcagg ctgctcttta tggatgtggc 60  
 tgctgggctg aaaatactgg agctcataac ccctactcca cagctgtgag tacctcagga 120  
 tgtggagagc atcttgtgcg caccatactg gctagagaat gttcacatgc tttacaagct 180

735

```

gaggatgctc accaagccct gttggagact atgcaaaaca agtttatcag ttcacctttc 240
cttgccagtg aagatggcgt gcttggcgga gtgattgtcc tccgttcag cagatgttct 300
gccgagcctg actcctccca aaataagcag acacttctag tggaatttct gtggagccac 360
acgacggaga gcatgtgtgt cggatatatg tcagcccagg atgggaaagc caagactcac 420
atttcaagac ttctctcctgg tgcggtggca ggacagtctg tggcaatcga aggtgggggtg 480
tgccgcctgg agagcccagt gaactgaccc ttcaggctga gtgtgaagcg tctcagaggc 540
atttcagaac ctgagctttt ggggggtttt aactgaagtt ggttgtttta tctttcttgt 600
tttataattc ctattgcaac ctcgtgcact gctcgagaca caagtgctgc tgtagtttagc 660
gcttagtgac acgcgggcct ttggtgggtg agcgggactg tgtgtgagtg tgtgcgcgta 720
tgtgcgcaca tatgtgtatg tgtggagtat gtgtgtttgc ttctccgtgg atgaaataga 780
aactcctcat tgtgtgacca ggaatggtta aatcatcttt acaaaatgtg tgctttaact 840
gtttacaagt aaaacctaaa gttgcaggaa acatttttta tttcgtaaag aggtaccaac 900
tgtcgtgat gtgatatgtc agaactgaag agtaaatcta cttgtttaaa tgacttgaca 960
gtggtagtgc tccatttaaat aacagtaata agtaataaag tgtttttatt tggttaacca 1020
gtttaagtgg atcctgtggt aacttaaaact gktgktctca tcccytatat ggggcatttt 1080
tctttaacaa agaatggttt cagtgaacaa atctagcaga gaattaatgt cagaaccttt 1140
ttaaataata gtctgattga tacagtttgt acttatttca tcaagctttt ctaagcttaa 1200
atattgcata gcttcgagct gtatggacta tattatgaaa gaatatgtaa agagaacata 1260
cagtaatgca cagtccttaa tttgtgtata atggaaagtt atttacaata taacactgta 1320
aataagaaaag caaagtttat gggaaaattc aatattatct ttgtttttgt ttaaataatat 1380
ttttaagata aaggcmcaaa aataaaaagaa gcgtattact gggatatagta tgtgactcct 1440
cttctcagac taataaatta tcttttgaat ccttaaaaaa a 1481

```

&lt;210&gt; 1151

&lt;211&gt; 1092

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1083)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1151

```

ctttaatttt gagtttaaac ccaagtttat tggcagactc ccttttgacc tccctttgcc 60
tccccatctg gtgcttttctt gcactctacac ccaggggcc tgtggtgggg ctgcaggggg 120
aagctgtgca cctgagatga ggctggaacg ggaattggcc tctctgctcc cttcttcagt 180
aagcaaggag ccccgccctt caggcccagc ctctgnmaag aggtggtgga atccttgtgc 240
cgggtagtag aggaggataa gggcaaaacc aggccaggc cagtgcctgc ttggtctgga 300
tgggacactg tcagagtttg gccacagcct gtccctttact tcatccacac ctatgaagct 360
attccctaaa taaggcattt cccaagtttag tcgctaccta atcagccttg agaagaatcc 420
tttcctcttc tttgatagtg ggtcggggga ttcttcagga atggtttgga gctgggagtg 480
ggtagggggg ttttaaatgt tccatatggg agcccaaaag gaactggatg ggctgcagtg 540
aggtgggggg ggggtgggcag ggaatgggag aggggaagtc ttggcagggg aatccctttt 600
ggccacacag tttaaaaacc cagtatcatg tctgtctgtg tgtctctcaa ggtgagagtc 660
tgatttttat accaaagagg aatgattttt ttttcatatt ttgtttgtct atattatata 720

```

## 736

```

aatatatata tacagttata tatatatata tattatTTTT tggttctctc tcgtttttta 780
gggaggggaag aaagtaccaa gttgcattga gctgtaatta aggaacatta taatttatga 840
cacatttcta tacttgcaaa aattatatca ttttatggat ataagagaaa aatgcctttt 900
tataaaatTT caatttctga raagtgtgta atttgtctct tttctgatgt ttaaccaaga 960
ctggtggtga aagtaaagac agaaactgtc tcttaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aangggcggc cg 1092

```

<210> 1152

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<400> 1152

```

gcggcagtga gcattctggg tctttgatga tggatgagtc ttcacttgta aatttaaagc 60
catatgtatt aacttagttt ccttccaggc atttagtatt agtgaatatc acatacggct 120
ttataatgct ccaataacag atgcctagtt gcactttgat ttaatatatg ctgggagaaa 180
agatatatga gaatttctact ataatttttt gcttagataa taggtcagaa gggttctatc 240
ccacctggaa ggtaaaagga ttgggtctta ctgatttctt gnacttctct ctggatttta 300
tgaagtctat gctatctttt tcccagaagc attaatgttg aagactcaat caccaagtgc 360
aatcaaagct accttctctc cccccaaaat taaatagaca tktttaaaca cacatacaca 420
tttcaagatc aacagarttc ccttttgagc atggaaatat agccattgct aaattacgtt 480
actggactga actccaggta ttaatttcag tgggaaaatt aagaaatggg agga 534

```

<210> 1153

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<400> 1153

```

gntttcaccc ccgccgcctc tacaagatgc nggggccact taaactacgc ggaggacgcc 60

```

737

```

cagctcaccg cccaggccat tggccaggcc ttcgccgccg cctacagcca gttcctacgg 120
gaaagcggta ttgaccccag ccagggtggc gtgcacccga gccaggcgc ctgccacctc 180
cataatgggg acctggacca cttctccaac agtgacaatg ccgggagggtg cacctcgaga 240
agcggcgagg ggagggcctg ggcgtggccc tgggtggagtc gggctggggc tccctgctgc 300
ccacagccgt catcgccaac ctgctgcacg gggggcctgy tgagcgytcg ggggcccctca 360
gcacggggga ccccttgacc ggcataaaag gggaccagcc t 401

```

&lt;210&gt; 1154

&lt;211&gt; 1107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1092)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1094)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1101)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1154

```

ctgacctcgg gtgatctgcc tgccttgccc tcccaaagtg ctgggattgc aggtgcaggc 60
caccacaccc ggccttgggc cactgttttc aaagtgaatt gtttgttgta tcgagtcctt 120
aagtatggat atatatgtga ccctaattaa gaactaccag attggatcaa ctaatcatgt 180
cagcaatgta aataacttta tttttcatat tcaaaataaa aactttcttt tatttctggc 240
ccctttataa ccagcatctt tttgctttaa aaaatgacct ggctttgtat ttttttagtc 300
ttaaacataa taaaaatatt tttgttctaa tttgctttca tgagtgaaga ttattgacat 360
cgttggtaaa ttctagratt ttgattttgt tttttaattt gaagaaaatc tttgctatta 420
ttattttttc caagtggctt ggcattttta gaatttagtc taataacgta acttctaaat 480
ttgtcataat tggcatgttt aatagcatat caaaaaacat ttttaagcctg tggattcata 540
gacaaagcaa tgagaaacat tagtaaaata taaatggata ttcttgatgc atttaggaag 600
ctctcaattg tctcttgcat agttcaagga atgttttctg aattttttta atgctttttt 660
tttttttgaa agaggaaaac atacattttt aaatgtgatt atctaatttt tacaacactg 720
ggctattagg aataactttt taaaaattac tgttctgtat aaatatttga aattcaagta 780
cagaaaatat ctgaaacaaa aagcattggt gyttggccat gatacaagtg cactgtggca 840
gtgccgcttg ctcaggaccc agccctgcag cccttctgtg tgtgctccct cgtaagttc 900
atttgctggt attacacaca caggccttcc tgtctggctg ttagaaaagc cgggcttcca 960
aagcactggt gaacacagga ttctgttggt agtgtggatg ttcaatgagt tgtattttta 1020
atatcaaaga ttattaaata aagataatgt ttgcttttct aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa ananaaaaaa naaaaaa 1107

```

&lt;210&gt; 1155

&lt;211&gt; 619

&lt;212&gt; DNA

738

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (563)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (615)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1155

```

atctttccat atttactgag tttaaatagaa tcattctcaga gagaaaagaa aaactaaata 60
trgaaaagtg catggcagaa gctgaaatga gctcaagcag tactaacctt ggaaccattc 120
tgggtaccca aaagaaaaat ttaaaatcaa gatgagtaaa aggagaatgg tctcaatata 180
ctcaaaaatg cagtaagaga agtaattccc cactgaaaat gtctctcttt ctttctatgt 240
tataccctgg agtcctgggt gaggggtggg ggaatcagaa aagtaggttt acatttaaca 300
tttttcttaa ctacattcac ttcttaaaaa ggaacaagaa gtgtaaataa gtatgtatag 360
agtgagggat taagcatatt tgcattgggg actcgtgtat tatgctttta agtcaaaatt 420
aatattctca aattcgaatt tgatagctat tatttctaaa tctttttaat cctcaatttt 480
cctggtaacc ttctttcaag agtctccttc ttctaaaagt tgccaaaccc tttatatatta 540
agcttttttc actcaggact canttagagt ggcaacaggg aaagggatgg tcccatntga 600
actttgccac tgacnaaac                                     619

```

&lt;210&gt; 1156

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1156

```

aattcggcac gagcaaagaa gctgctaaca gatggactga taacatattc gcaataaaat 60
cttggggtac tttatttntc tggcgatatt cttccacaac ttgcggatca cagtctttgt 120
ggaagaaata cgccaagcaa ataaagtagc caaagaagct gctaacagat ggactgataa 180
catattcgca ataaaatctt gggccaaaag aaaatttggg tttgaagaaa ataaaattga 240
tagaactttt ggaattccag aagactttga ctacatagac taaaatattc catggtgggtg 300
aaggatgtac aagcttgtga atatgtaaat tttaaactat tatctaacta agtgtactga 360
attgtcgttt gcctgtaaat gtgtttatca ttttattaat gttaaataaa gtgtaaaatg 420
cagatgttct tcccccttt tggtagaaca aaagcaggat gataaccata tccccccagt 480
gctcatcaaa gtaggacact aaaaatccat ccatctcagt caaagtcgag c 531

```

739

<210> 1157  
<211> 826  
<212> DNA  
<213> Homo sapiens

<400> 1157  
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acgcggctga gggcttctcg tcgggggtcgg ggctgcagcc gtcatgccgg ggatagtgga 120  
gctgcccact ctagaggagc tgaaagtaga tgagggtgaaa attagtctcg ctgtgcttaa 180  
agctgcggcc catcactatg gagctcaatg tgataagccc aacaaggart ttatgctctg 240  
ccgctgggaa gagaaagatc cgaggcgggtg tttagaggaa ggcaaactgg tcaacaagtg 300  
tgctttggac ttcttttaggc agataaaacg tcaactgtgca gagcctttta cagaatattg 360  
gacttgcaatt gattatactg gccagcagtt atttcgtcac tgtcgcaaac agcaggcaaa 420  
gtttgacgag tgtgtgctgg acaaactggg ctgggtgcgg cctgacctgg gagaactgtc 480  
aaaggtcacc aaagtgaaaa cagatcgacc tttaccggag aatccctatc actcaagacc 540  
aagaccgat cccagccctg agatcgaggg agatctgcag cctgccacac atggcagccg 600  
cttttatattc tggaccaagt aaagatgggt ccgtggccca cactcgggtca tgtgctcaga 660  
caacgactga tgaaaacgcc catgcggttt gcactgactg atagtgtgtt ctttccggga 720  
tcacaaacat taacaaaaaa gttaacttat gtgacttggc agttattcta taccatttcc 780  
tgtccattaa aattttttaa ggaaaaaaaa aaaaaaaaaa aaaaaa 826

<210> 1158  
<211> 614  
<212> DNA  
<213> Homo sapiens

<400> 1158  
ggcctcttca cgcgtttccc gaggcggggc gcacgacctt gcggctcccc gcccacgaca 60  
cccccggggc cggcgagtg cagctgctgc tctcggactg cccccagac cgcctgcgcc 120  
gcttcctgcg cacattgccg ctcaagctgg ctgcggcccc gggtcccggc cggcactccg 180  
cccagagcgca cgtgctgggc ccgcggccgc gatcttcgtc accatcagcc ctgtgcagcc 240  
cgaggagcgg cggctcaggg cggccacccg ggttccggac actacgctgg tgaagcggcc 300  
tgtggagccc caggctgggc cgagcctagc acagaagccc caaggtggcc cctgcctgtg 360  
aagaggctga gcttgccctc caccaagcca cagctttctg aggaacaggc tgctgtgctg 420  
agggccgtcc tgaaagccag agcatcttct tcaactggag tgcaggaaca gggagtcac 480  
atctgctaaa gcgaatcctg ggctcactgc cccccacagg cactgtggcc actgccagca 540  
ctggggtkgc agcctgccac atcgggggca ccaccctcca tgcctttgca ggtaagtagg 600  
aacccttagg gctt 614

<210> 1159  
<211> 594  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

740

<222> (15)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (62)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (111)  
 <223> n equals a,t,g, or c

<400> 1159  
 gcancaagtga caccnaaccc tcaactaaagg gaacaaaagc tggagctcca ccgcggtgca 60  
 gnccgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag ngagagaact 120  
 agtttcgagt ttttyttttt wttttttttca tgggtaacaa cgtttattaa aatctggcca 180  
 ttttctacat ctcaaagagg agataaccca ccagaggctt aggtaacata attgtgttta 240  
 acgtaaatat acacagatac caataggcgg ttaagccatg ggacagggcc gcagatggag 300  
 actgctcaag gtcaaagggg tctccagctg ggaccctgca cctggttcgt agccccctctg 360  
 cagacgcaca gtgcctcacg cctgctgcaa cctggaacct tgaggccttc atgtcagtgc 420  
 aggacaagag tcatgtctgt ccatagattg gggctggaaa ggactttctg cactggagc 480  
 ttcgattgtg agcatgcac cccgccaaca gctgtgtctc cctttgaacc aagtctgggtt 540  
 cctccaagca agcggkcggt cattccaaag agggcctgat cccagacagt taac 594

<210> 1160  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (350)  
 <223> n equals a,t,g, or c

<400> 1160  
 aggaactctg gtctccttgc ctagtgcttt tcaaaactct gtgctacaca ggagtggatc 60  
 caggcctgaa ggtcatataa ttctggggac tctctttaag aaaaagaatt ctaaaatatac 120  
 ttacttttgc aaacattayg aaaatatact gccacattaa tatgttgcta gggccccctgc 180  
 taggacctta agaaggagct catgtgagtc aggaccctga atgttaggcc tcgttagctc 240  
 tatggttcat atgcttcttg aaccaagtca cagggcactt cccagccaca ttgccaggca 300  
 acaggactaa actacctcca aagcaagcan tcttttcagt tttgactgan tgatgttga 359

<210> 1161  
 <211> 633  
 <212> DNA

741

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (593)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (606)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1161

```

ttcctttttt tttttctcca gatccacgt ttcgctcttg ttgcccacag ctacttactt 60
cattcccat gggtcacgtc attcatccac attaaccaat ttcctcactc caagctcttt 120
tctagagata atctccagtc cctgtgcaga aactgtcatt gcactttctg ctgaaatggc 180
agtttcttct cagcaagggtg agattatgga atccagaatc ttttttcagg ggtcacatgc 240
ccatttcccc acttgcacga atgtcgacac tgcagccaca gttttggccg taaatgtgaa 300
tttggaagt aaccactgtt cccagggaaa tgtcccaatc agaagaagat tatctgggac 360
actgatactg acagggagat gggacattct gagggaccgc gaggcagggt gccacctcct 420
caacttccct gagggctgcc taggaatctg tttcctcttc attctggaat tattcttctt 480
ctttatgggc tgacaaaaaa catgggaacc ttcacaaagt ccactgttaa cagcttttwt 540
ttttgtggar gtkgarggac atggaggacg tttttaaggc caaagtttat ttngagttgg 600
ggacantttt gtggtttttt ttttttgagg aag 633

```

&lt;210&gt; 1162

&lt;211&gt; 1422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1421)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1162

```

aattcggtt tcgagcggcc gcccgggcag gtactttctt actgagccct ctattttctt 60
tattttaata atattttctcc ccacttgaga atcacttggt agttcttggt aggaattcag 120
ttgggcaatg ataactttta tgggcaaaaa cattctatta tagtgaacaa atgaaaataa 180
cagcgtatit tcaatatitit ctatattcct aaattccact cttttaacac tatgcttaac 240
cacttaatgt gatgaaatat tcctaaaagt taaatgacta tttaaagcata tattgttgca 300
tgtatatatt aagtagccga tactctaaat aaaaatacca ctgttacaga taaatggggc 360
ctttaaaaaat atgaaaaaca aacttgtgaa aatgtataaa agatgcatct gttgtttcaa 420
atggcactgt cttyttttca gtactacaaa aacagaataa ttttgaagtt ttagaataaa 480
tgtaatatat ttactataat tctaaatgtt taaatgcttt tctaaaaatg caaaactatg 540
atgtytagtt gctttatitit acctctatgt gattatitit cttaattgtt attttttata 600
atcattatit ttctgaacca ttcttctggc ctcagaagta ggactgaatt ctactattgc 660
taggtgtgag aaagtgggtg tgagaacctt agagcagtggt agatttgcta cctgggtctgt 720
gttttgagaa gtgcccccta gaaagttaaa agaattgtag aaagatactc agtcttaatc 780
ctatgcaaaa aaaaaaaatc aagtaattgt tttcctatga ggaaaaataac catgagctgt 840
atcatgctac ttagctttta tgtaaatatt tcttatgtct cctctattaa gagtatitaa 900

```



742

```

aatcatatatt aaatatgaat ctattcatgc taacattatt tttcaaaaca tacatggaaa 960
tttagcccgag attgtctaca tataagggtt ttatttgaat tgtaaaatat ttaaaagtat 1020
gaataaaata tatttatagg tatttatcag agatgattat tttgtgctac atacagggtg 1080
gctaatagagc tctagtgtta aactacctga ttaatttctt ataaagcagc ataaccttgg 1140
cttgattaag gaattctact ttcaaaaatt aatctgataa tagtaacaag gtatattata 1200
ctttcattac aatcaaatta tagaaattac ttgtgtaaaa gggcttcaag aatatatcca 1260
atTTTTaaat atTTTaatat atctctatc tgataactta attcttctaa attaccactt 1320
gccattaagc tatttcataa taaattctgt acagtttccc ccaaaaaaag rgrtttattt 1380
atgraatatt taaagkttcy aatgkgggtw ttttaataagg nt 1422

```

&lt;210&gt; 1163

&lt;211&gt; 513

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1163

```

ggttatacct tggcgagcgt gntctgcaaa ctrggagaaw gatttgcact ayctaamcct 60
rracaccygg acttggtctg gaaggattac tattaatgga gaaagcccaa aacatcggtc 120
atggcatact ttaacaccta tagctgatga taaacttttc ctatgtggtg gactaagtgc 180
agataatatc ccattaagtg atggttggat tcataatgtc acaacaaatt gttggaaaca 240
acttacacat ttacctaaaa caagacctag gttatggcac acagcctgtt tgggaaaaga 300
aaatgaaata atggtatttg gtgggagcaa agatgactta cttgccttgg atacagggtca 360
ctgtaatgat ttattgatct ttcaaacaca gccttattca ctactcaggt catgccttga 420
ctgcattggg aaaaattcta tcatgttaga aagtcagata tctttattac ctctaaact 480
tctgcaanaa gtactcaaaa aaaaaaaaaa aaa 513

```

&lt;210&gt; 1164

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

## 743

<220>  
 <221> misc feature  
 <222> (59)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (74)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (137)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (546)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (549)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (577)  
 <223> n equals a,t,g, or c

<400> 1164  
 ggtcccaagg ggtttacccg naatgtgaaa gcccnaagt gaatgaaacc tcaaattgnc 60  
 ccctgtatgg cctnaagaag cccccaagtt cccagtggt tcccaagtgg gcaagtgtaa 120  
 ttggaatggg gccccnccg atgccaaatg gagaatgcca aactgcccag gacaaatcca 180  
 gatgaagaaa gaaactgtga agtgcccttg tttaaattgg atcagttccc gctgtgcca 240  
 atggtcagtg cattggaaag cacaagaagt gtgatcataa tgtggattgc agtgacaagt 300  
 cagatgaact ggattgttat ccgactgaag aaccagcacc acaggccacc aatacagttg 360  
 gttctgttat tggcgtaatt gtcaccattt ttgtgtctgg aactgtatc tttatctgcc 420  
 agaggatgtt gtgtccacgt atgaaggag atggggaaac tatgactaat gactatgtag 480  
 ttcattggacc agcttctgtg cctcttggtt atgtgccaca cccaagttct ttgtcaggat 540  
 ctcttncang aatgtctcga ggtaaataca tgatcan 577

<210> 1165  
 <211> 665  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (8)  
 <223> n equals a,t,g, or c

744

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1165

```

cttttttntt tttttttttt tttttttttt tttttttttt tttttttatg taaactatca 60
aatgtttatt taaattttcca tttaaaatat tttcaagtaa aatatgtaca aaaatgggta 120
taaaatgggt gaagcaacta gaagcgtgac aggtataata catataaata caaccaaaat 180
tcaattcaat gcaaagttga atgacatcat attgcaccaa aattttattc atacaaaagc 240
acatgcatca agagttttcca taagatgaaa acaaacacac ttacttcata gcattcttacc 300
acttacttac acaaatagcc cataaacacc atctggcatt gtgattgcag taccagaact 360
ctccccagag ggaaactcat ttagctatag aagantccat tttatttcac atatcacatg 420
cttgtgcagg catcagtggt aggaacctta agaaacaacg caatccacag atgaaagtct 480
ctctgcacca tttatatytt catagataaa tatcttagtt ctaatatgat tggaatgtgg 540
atgcagaaat aaaatgcagt tttgctcttt aagaatttta tcaatgtaag acattgtatt 600
aaatttgtat aaaatacaca caatcccttc tactaagttt catgatcaca gtgccagagt 660
gaagc                                         665

```

&lt;210&gt; 1166

&lt;211&gt; 1077

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1166

```

acagaaagta acaaagagga atgagccagg agaacaaact aattccttta aataaataaa 60
waaaaaaaaat gcaaatgtcc ttcaccagta aagcaagcaa attttttaaaa tctctgtttt 120
tgaaatctac tcgtcaaaga gttttcagag gcaatgaaag gggaacagat ttttcattgt 180
aatagtggaa gttgtgtgat agttaggaga tatcaacatg catttttaat cttttcctta 240
gatgaaagag atggccttttg gcagtgtgtt ctaaccagaa agaaaggatt tgtattactc 300
tccaaatcta ctgtactgtc agcttcactc cacctgagaa aaaagaaaaa aaaattgata 360
gctcaaatgc atgtaattca taaacactgc aaaggagagc cacttggtgt ctgcagtcct 420
catattaaca gtctgtcaca gaatgcagtt aaagtattga ttggcatatg gtaatagagc 480
aaccatagcc ttaacttaca gacctgtgaa ataaagggca ttttgacctt atacaattaa 540
ttttctggat aactcttaaa gagaagtcac ttttaactgtt tttgctactc catatattgt 600
cattcaaaat atattttaac ccaaaataag ttaaataatt tgtgcatgtt tgtgtgtgta 660
tatatgcata cacttttttta tattaataatt ttgaggctat acagccactg tgccctgtgg 720
aataaagcca tatatataaa tgttttatat gtatatgttt tatacatawa taaaacattt 780
catctaatat atatatgtgt gygtgagtat atgtgtgcat gtttagcaga tatttgtata 840
aaatataaac actctgttgt catatwggct atatgcgaaa ttgttaattt taaaataacc 900
tcaggccaca gacttgtagt aatcatttga aggcctcacc tagtgtcccc ttggtgacgt 960
atgcagcagc tcaaatataa cctttgtgca ttgggttatg aataatcttt tcttccaaag 1020
atggcaaaaag cctcggtttg atttgatact aaagaataaa tttctctgac tttcaaa 1077

```

&lt;210&gt; 1167

&lt;211&gt; 1177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1167

745

```

ggcagagctg acgttccccc cagcttagac cctgagtcgt tttccccgt tccccggctg 60
aattagggtt ttcttctcca caggtgtgtg cagtggcctc agggatccgg aaagtctagg 120
actgaacttc tcctaacatc cagtaatggg gacctggaac ctggggtgtac tagagtgccg 180
cgcgtagggc tccaggtcgc tggcttctgc gctttcttcc tctccaaagt tgagtatctc 240
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agtggagcac agccctgtcc catctgggtg tgggagtggt gtctctgcac gcagccgtga 360
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ccaccacgct ggccccaggg ctgagcacac atgaagactg ccttgctgga gcctgggtgg 480
ccaccgtcat cggccttccc cttctggcct tcgatttcca ctgggtgaat ggggaccgct 540
cctctgccaa cctgctcctg ggaggaggca tgggtgctggc agtggctggc ggccacctcg 600
gccctgaggc cktctgtggc tggtcaggca atgctgttgg tggtcgcagt gaccatcctc 660
attgtagctg tcttcacggc caacacttat gggatgtggg ggggggcgat gctgggtgtg 720
gcaggcctcc tgagccggct ggaggaggac aggtctgtgc tgctaccgaa ggaggatgtc 780
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agtgggtttg ctgcacattg actggtcagg ggcagagtct ggggtgctgtc ctttggccac 1020
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ctgattctgg gctggacacg gttgtggatc cagagaagag gcctagtctc caataaatct 1140
taggaatttt gcaggaawaa aaaaaaaaaa aagtttt 1177

```

&lt;210&gt; 1168

&lt;211&gt; 698

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1168

```

gtttaaatga gaacctaatg atacctggac aaacttctgg agaaattatc aaattgctaa 60
catgccatgt gaaatccttg aacactatta agataattac aggagattga tgtgtttgcc 120
ttagtttaaa atcttaatta gcattgacac caaaagcaac atccctatgt taaaaacaca 180
atgtgaatac tattttatta ttaccatgga accttgacct ttctttcctt cacctatagc 240
tcaatccttg tcttctccca gtcccagggc tctttatcac aaccatcatt ttgattttac 300
actggattta catgatacct tttactgaag tgcttaaadc taggaaagaa taaatttcta 360
ttgactagga gtcagaaact tagggtagaa tgatggagca ttgttttata acagggrgcag 420
tttccagctt ggattcaaaa tactgattaa aaaaatttgt tttctattat gattggatct 480
gtactttcta acgccaataa ttttaatcca gatacttttt atcttgatcc cacgcttgcc 540
ctttaacctt taccagaaat tcagagaaac agagtacata tttcgccaca caatggatcat 600
cctcactgaa tactttttatc cagaggtcta caaactatga ccctccagtc aaatcctacc 660
ttgcccttgt ttttgtaaat aaagttttat tggaacat 698

```

&lt;210&gt; 1169

&lt;211&gt; 1408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1169

```

taaaactatt atcttgtgtg tgtacatttg tgggtggagt ttgtgcgcct gggtttttttg 60
tttggaanaa actgcgtggc caatgtgggt atggggggga gtgatgcatt tttttctagt 120
cttaaaacta aaaacttgag tctaccattt cttgggttgca ctgaaaatac cggccagcct 180
gatgggtgtc ccgtgctgtc cctccccctt cccttctccc cgcgtctacc tccccacccc 240
gttctgttcc ccctccctcc ttctccctct ccctcaaadc cgtgagtttt ggaagcccca 300

```

746

```

gggcctctct cccccgcccc tcctggatga ggccaccatc ccccaaaccg gcttgttttg 360
cagtttcccc aggatcctgg aagctcgcctg gcgctcgagg gtggcgggga cacggggggg 420
tgggtgaagg ttcgttacct tttctagtgc gttctatcat agttaacggg tgcacacttt 480
tttaaaaaaa gtaaattggat ttgccacaat taaatgtcat aacatttatg acagaatata 540
aaatattaac atattttaag ccaagtttta ggtgtatttt ttgaatcttg gttataaacc 600
caattttaaa gggcgatgta tccagcgttg tgaaggcaac agagtgtacc catatttata 660
tttttataaa atacctataa gactgtgaat ctcttggtgt aatggctgag ttaattgaag 720
gategttttg ccccttttta gectcccaga gcttcgagga ctcaattcga acccgaaatc 780
ctgccgtggg ggagggggtg cgtcgagacc tgggcccggg gaggttctcc tgcgtcactt 840
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ccccttgttg ttttgatcct gagaaataaa agggaggctg aattattcaa atttaaata 960
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ttttataaaa ctttgtgtga gaagaatata ttgataatgt cagtgaaca agcagacatt 1140
gaaatggagg cacagattac tccacaagga gttcttctgt atattttttc tagatgcaaa 1200
taccttttta attatgttaa ttaatgttaa gactttctag gcttatatcg aagctgtgtg 1260
tgggtcacgg ggtgatcact gctaactgga taaagtttgt gcagcacatt cctgagtgt 1320
cgatattgac ctgtagccca gcgtgaaaaa tttataaata aatttttcat tgatcttttt 1380
atattaaaaa aaaaaaaaaa aaaaaaaaaa 1408

```

&lt;210&gt; 1170

&lt;211&gt; 824

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1170

```

ggcacgagcc cccaccaag ggacagagtg caaggacatg atcgaacaga aaaagttctg 60
gtacaagatc aaccccgtag ggtggtgagt gctgcagccc cgggcctcac atcctgccgt 120
ccctgtggga gnattggagc ggtcccagtg cccaccgctg attctytggc tccagcaacc 180
cctccagggt gatccgtccc acgcagcctg gcctgaaaca ctgcccagcc actgggtcca 240
gtaagacaga gcctcgagtc attctgccga gaggatccag aaacacagac tttttctggg 300
gtcctggagg cttctggccc atggggagcc cctgggtccc agcgatccag cctgatgtg 360
ctgaggggtg agggcccagc tgcagagcag aggagagtgg ccccaggga ccagcagcac 420
gaaaggcaca ctgaggcaca ctggcaggcc tgggctgcag agagcctgaa ggtcatgggg 480
tagctgrtgg aagcaggaag accccataca gcagcgacca ctgaggctgg tgctgcactt 540
tctcaggga ttgagtgtgg gctcccacca tcccgcgac tggcttcttc caaagcctcc 600
tcctcttaca tcagcaaacc ttctgttcgg tgaccccttc agtgaccctc tgtgcttgcc 660
ttcgtgggtc tcctcatgga ggatttcggg tcagcgtggg ggtcagaggt catttcccat 720
acccctcaa aggtacttct tgcttgggtc ccacactctg acaccctctt ctgaaatgaa 780
cacttttttg ttgttgttgt tgagacagag tgagacgcca tctg 824

```

&lt;210&gt; 1171

&lt;211&gt; 595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

747

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (530)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1171

```

agcaactaac ttcttgtag tgatcttaca ttgctcagca agtatagcat tattgcaaga 60
tttacagaat tcaggctctt aaaagtttat attttatttc catatgtaga taagcttggtc 120
agtttactgt tggagtatca taaagttttt gttaaaatta cacagggtat taagtaaatt 180
tccaaggata aaaattatgt ttctaattaa ctgaattttt taagtaactg atgcccccat 240
gtggcacaagg atttattttt cttttgctta aacttgagga atgactgtct tttcattttt 300
ctttaaaaaa gtggacatta gtgtttataa agaagctgtt gaccaagaga cataatttga 360
attttgtaaa gtcatttgcc ataaaattca cagcccctta cctgtattg tctcacaagt 420
gcatgtaatc aagcacgtac aatgagacaa aatattggaa gctatttaat taaaaatgc 480
ataggggatt ttctgatctt atatgtgatt tcttaatgtc tttgttttgn ggcttacata 540
ggtgatgtca gttcattgat tatgaatatt ctggatacaa ctctgcata tgata 595

```

&lt;210&gt; 1172

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (395)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1172

```

anatcaaccc tcaactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta 60
gaactagtgg atcccccggt ctgcaggaat tcggcacgag tggaaacttg actgttttct 120
gaggatattg aagcatgaac ttttaaattg ctttgtgtgg tgtgctgtgg gcttctgtga 180
tcatgaagta acatgcattt ttcttaaaac ttttcagggt ggtagagatt gcagcctgtc 240
actcyrcmca cagctctgca gccaaagacgc aggggtgggca cgtgtacatg tggggccagt 300
gccgggggtc gtccgtgate ctcccgacc tcaccactt ctctgcacc gacgacgtgt 360
ttgcctgctt tgccactcgg gccgtctcgt ggcnctcct gtctgtgggt aagaaagtgc 420
agggccactt caccagggga ggaatggtac taccaactga ccagttttcc tgtgtctttg 480
ctggtt 486

```

&lt;210&gt; 1173

&lt;211&gt; 1109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1173

```

aacaagggtc tcaagagaca cctgcctttg cagggtgggg agtccgkag gagaaggtag 60
ggaggccgcg tctccactct ggccccacaa tccctgcccc tgagcagggt gagcatatga 120

```

748

```

cccgtcacct gkaggagagt gagaaggcca tgcaggagcg ggtgcagagg ctggaggcgg 180
cgcggtctgtc cctggaggag gagctgagcc gagtgaagc agcggcactc agcgagcgtk 240
gccaggctga ggaggartg atcaaggcca agagccaggc ccgctggagg agcaacagcg 300
cctggctcac ctggaggaca agctgagact gctggcgagc gcacgggacg aggcgcaggg 360
cgcttgcccta cagcagaagc aggtggtggc cgaggccag acccggtca gccagctggg 420
cctgcaagtt gagggcctgc ggcggcgccct ggaagagctg cagcaggagc tgagcctcaa 480
ggaccaggaa aggggtggccg aggtgagcag ggtgcgcgtg gagctgcagg agcagaacgg 540
ccggctgcag gcggagctgg cggctcagga ggcgctgagg gagaaggcgg cggccctgga 600
gcgccagctg aaagtgatgg cgagcgacca ccgagaggcg ctgctggaca gggagagcga 660
gaacgcgtct ctccgggaga agctgcggct ccgggaggcg gagatcgccc gcatccggga 720
cgaggaggcc cagaggggca gcttcctgca gaacgccgtc ctggcttacg tgcaggcgctc 780
ccccgtgagg accctgagcc ccccaaagtg agacaggccg ggaggaccgg ggcgcagtag 840
gagtgcacga ggcgggcgcc gagatggacc aggggctgcg tcccgccgc gccgcctctt 900
tgagaccggg gtgctctgtt ccacgcggcg gttgcggcga ctggttggtg tgcgcggct 960
gcgggggaac cccgtgggag gcgcctggga agggctccct accggccctt tcttccgggt 1020
cgacgccacg tgggagcaca ccgggaaggg gtcccgcggg cgcgtctccc cctcgccttt 1080
tgcgatgtca ccgtgaacgc tgcggccgc 1109

```

&lt;210&gt; 1174

&lt;211&gt; 417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1174

```

tctcccctat aggttcatag aaaaaaact cccaccttat aaaggaatct ttaaaaggtt 60
cctcataaag gaacagggtt agcagaacca agttttgagt cctgggtgaa aatccagggg 120
agaatggtaa tcagtataa ccaatggcca atccaatatt aaaattagtt aacagtgacc 180
aatcttattt cacctacccc acccagagtg gccc aaagca gattgctgga tctgcctcta 240
aaccaacctt cctkccaaaa taattggggg taggttgtgt ctgctgattg tctccataat 300
ttgagatttt aacaagttga gtttggtccc caaataacct aaaggatttt ttttttnggc 360
atctctgggg agggggagat tggacgtagg caaccaaaaca ggaatggaat aagaaat 417

```

&lt;210&gt; 1175

&lt;211&gt; 972

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1175

```

aatgttgccct ttgtccaagt atagattaag gcaacaaaca tatttgggtg tgtaatttga 60
agtttttgac tgaaatatct ttgcaagtat ccacataaaa ttctgtaatg ccttataatt 120
atattctaata aattatgcat tatactaaga caccattaag aacagttgag gcaactacact 180
aatcaaaccc ataaatgagg aaaaaacttt taatgttctt ttctagaagt gttcaaatag 240
gtcttgatat gaagctaaaa gccttattta tattatctta atatttcggc taaaatgtta 300
agctccataa catgaattga tacaattcca attttatcaa tattytgtga tagaaaaatg 360
ttaatattat tcatgagcta tacagtcctt acattttttc ccttgggtgta ggaacaacgg 420
aggagtttct cctctgctaa ctattcataat atgtaactgt aacaaaagtg tactatgtta 480

```

749

```

tgcacacatt acaaataata taaggggaag ttttattagc ttagtaggaa attggttatta 540
ttaagggttta aaaatgagaa caggtgtgag ttttccaaaa tacttaaaaa taatagtgtc 600
aaaaattcag gggcagttaa ggagtcattg atggaactag aggtcactat attaagtgc 660
ataagccaga aacagacaaa cattgcatgt tctcaattat ttgcgggac taaaagtcaa 720
aacaattgaa ctcatggata tagagagtag aaggatgggt actagtggct gggaaaagg 780
gtgtgcgagg ggaactgggg atgcttaatg tgtacaaaaa ctatgtagt agaaagtata 840
aataagacct agtatttgat agcacaaccg ggtgagtata gtcaataata gcttaattgt 900
acaaataact aagagtataa ttggattggt tghtaacaaa ataaatactt gagtggatgg 960
ataaaaaaaaa aa 972

```

&lt;210&gt; 1176

&lt;211&gt; 443

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (428)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (437)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1176

```

ctcgagcggg gctgggtgtga aagctgccta accacagccc catctccgcc ctgtgctgct 60
gaggggaccc cggctgccc caggttccag gaggtctgt ctgacttctg gctggccctg 120
gagcagctga ggggccacgc tgccatcgac tacacgcagc tgggcctgcg kttcaagctg 180
caacctggga ggtgctacac aatgtggcgt cggcacagt ccagctgggg ctctggacag 240
aggcggcagc agcctaaggg aggccatgtc caagtggccg gagggtcctt gaatggcctg 300
gactcagccc tggaccaagt gcagagacgg ggctcactgc cgcamggcag ktccccagg 360
cgagktyttc cggccccamc gtggacctga acacttggag cccgtggatt tctggcaagg 420
ccaaggtnng tggcctntgc cat 443

```

&lt;210&gt; 1177

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (587)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1177

```

ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagtc tggagacaag 60
ctgaaacttg accagactca tttagagaca gtaattccag caccaggaaa aagaattcta 120
gttttaaatg gaggtacag aggaaatgaa ggtaccctag aatccatcaa tgagaagact 180
ttttcagcta ctatcgatcat tgaaactggc ccttttaaaag gacgcagagt tgaagggaatt 240
caatatgaag acattttctaa acttgcctga gtttgaaaat ttgttaacaa tacattaaaa 300

```



750

```

tcttaaagca tcaaattggt gttcgccaag gcattatgag actctactgt gttaggggat 360
attctttttgt ataaaacaaa cagggtttttg aaaatattac tgtatagtta gttgttcagc 420
taaactttga gaagaattta attatgtctc atgagggtatc aaactatgta attttgtcct 480
tgttattttt gtttcctttg taatttactt gatgagttta tatcttcatt aaagaatggt 540
attataaaaa aaaaaaaaaa aaaactcgag ggggggcccc ggtaccncaa t 591

```

```

<210> 1178
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

```

```

<400> 1178
aatntttccn cctgatanga tttcagcaaa ttctgatanc ccgggtatta cttcttaatg 60
cattttttgta acatttgaca aacatctccc aatatgtaga ctcccactct cctgatgcta 120
atcagtatca gacaatggaa gtaaattttc ctgcttttct caacttttcc tcaaattcat 180
gttagtgaa gtttttcatt tggccatcat tatttatcaa ccttaagaaa catgcctatt 240
gacgaagtaa atatactagg aattcaacgt atctacggga atgtggacaa agacatatac 300
caagacaagg cactagagtg aaaagccatt aaaataaaat gctcagcagc aaaggatttg 360
taatgggttaa cttgcaatat rtccatatgg tgtaatatta cagtcattag aaatgacatt 420
tgcgtaagga tctgagtga aactgataca gcctgtcgga 460

```

```

<210> 1179
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<400> 1179
gagacaacaa aacaaacaca gaaaaaagaa cataataaca gagacaaaat aaaattcaga 60
caacagtawa ctgaasmcat tttaaaaacc agaatatgta gtctacggat attttttattc 120
ataaaaaatga tcttttggtta aacaccccat tttactaaag tcctcctgcc aggtagttcc 180
cactgatgga aatgtttatg gcaaataatt ttgccttcta ggctgttgct ctaacaaaaat 240

```

## 751

```

aaaccttaga catatcacac ctaaaatatg ctgcagattt tataattgat tggttactta 300
tttaagaagc aaaacacagc acctttaccc ttagtctcct cacataaatt tcttactata 360
cttttcataa tgttgcatgc atatttcacc taccaaagct gtgctgttaa tgccgtgaaa 420
gtttaacggt tgcgataaac tgccgtaatt ttgatacatc tgtgatttag gtcattaatt 480
tagataaact agctcattat ttccatcttt ggaaaaggaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaa 567

```

<210> 1180

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1180

```

gcaatccttt cgcattctggg cagttccaaa ctagaattct tgccctgccct gcctcccatg 60
gaatgccctt accctactgc caatgtgatc tttctgaaac agcataacctg atattgtcat 120
tcccaggagc agcttccac ctccctcagg atttaacctt taaactctac agctctccac 180
actcacctca acaatgagct cctctcatca tttcttctcc tttgtcccag tcacaggcca 240
cttttggggc atgscaaacc actttatttc tgaarsttct gccctgract gttkgytcct 300
tgactggggg gctaaggatg actgcagtca tgcaggggnc aggggnaag 349

```

<210> 1181

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 1181

```

ggcagagcac tgcactccag cctgggtgac aagagcaaga ctccgtctca aaataaataa 60
ataaaaataa aaaataaaca tgatgatcac agatgcagtc acattttctg agttcttgct 120
tctctgccag tgcccaccca gatagcctca caaaactttg acccagccac tgttagtgct 180
gccaccgscg ataaaggagc tgagcccagc aggggmactg cctggggccc tgtagccaaa 240
aggctacagc aggagctgat gaccctcatg atgyctggyg ayaaaagaat ttctgctacc 300

```

## 752

ctgaaagcct tatcaaattgg acaccattca tgaaagcaac tggcacaggg gnatggaaga 360  
tctganggat aagctcttg 379

<210> 1182

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1182

gccccaaagtc ctgggattac aggctgagcc accgcgaccg gccctgctgt tgcttctgag 60  
gtttgaaaac cgctgcctca atgctcctga ttcagctctt cttacccaaa gggtccccc 120  
cctcatctac tctgttcctg cacagtcgcc cttttctctg atgccccggg cagggtttctc 180  
tctgccagct ccacgcttct ggagtcctcc atcctgtctg gggcccagct gccactgtc 240  
tgggttcaga cttctcaac actccctggc ttctctgcc tagttttgcc ttctccaatc 300  
cactcttggt ggggtggaagt acggttacca tggtaacttg aagacaacgc aaatctgatt 360  
gtatcattac aatgactggg aaaacctcca gtgccacaaa ata 403

<210> 1183

<211> 417

<212> DNA

<213> Homo sapiens

<400> 1183

gctagattaa atcgtagaat gtgtgccagc aaagcttaaa gtttccaggt tagctgaggg 60  
aggccatttg gaaacttgtg tctgaactcc aataggagag agaatgttca agcaatgggt 120  
cttctgccc a tttccctctg ctttgccatc ccatgggata agggaaccac ctcaggttcc 180  
caatccccc atcaatatca cagagtttag agtccaggcc ctccggctaaa attagacccc 240  
atagagtttc tagtattaat tggcccatta ttttaatatg aattaatgta attagtctgt 300  
agctatgttt atttgtaata tggaggatgc ctgtctgctg tacatacatc tttctaagac 360  
agatccaaag ctgtgttcaa tttcttttcc agtgtaatac atttctagtc acaggac 417

<210> 1184

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<400> 1184

tgacacgttt aagttgatac cattgtgcca ttctcttttt ggctcttttt ttgtccatag 60  
aggcttcaag atagatagggt aagagcccag tagtgttcat aagaagccaa tagagagcag 120  
gagccacttt atcagggtggc aggtgtcctg ggctccctg ctggctagtc ccaagcgggtg 180  
gtgttgccag gatgtcttgg aggtgataat gggacacaca gaggcactga gtctccatag 240  
gttaaaatgc caccaaaact ggcttttgcc taatatccct cattgactat ttrgcattta 300  
atttatattat tttctgaca tttctgcaag ctttgtattt atatttccac tttatagatg 360  
aggaaatttg aggtctcttag aggtaaaatg acttgcccag gtcacacagg aagtggcaga 420  
gacaagcttt ttaaataaga aaaaattaat aaaatataat atgagagtaa cttaaaatat 480  
taataaacca caatttttaa ttaattaacc gtgataacca acattaataa aagttaagat 540

## 753

acaaaaacac tgggtgtctaa ttctttcaac taacaacttg aattattttc ccatttttaa 600  
ttaattaacc gtgatancca acattaataa aagttaagat acc 643

<210> 1185

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1185

tatataat ttt aatgcaaagt cttttacatt aatgtaaggg taggaaaaga gggtggagga 60  
agatatgggg aggtaggaaa atgggacttt tttcctccat ttacttttga tgtttgaatt 120  
tcaaacatga gtatat tttgt gtattat tttt gcggttaaaa aactgaaga ttgcataaag 180  
atcaaagagg gaaatttaag ggaattaatg ggttatgatt gcatttggtc agaattgggtt 240  
tggtggctca tgacaacatt ttgagagaga gagattttta tggcaccaat ggcagctagg 300  
ataactagtt taaagt ttttag ggcctgtgtt aatagatttt gctttctagt ttcagaaaga 360  
ttctcttata gtactgtttt aatctgtttt tctaagccct ctgatttatg tatatttaatt 420  
agggcacaaa ataatgtcaa atatatggca taataaccaa caaatatttg aataagtga 480  
agggtactcta caaaatgcta tgggaaagac aaaaataaat aatatccctt tctttgaggg 540  
attaacagtg a 551

<210> 1186

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1186

aacacactat aaactttcaa ggagagagggc tgtgtcttct tcatgtttat atctgctaca 60  
aactgagtt catggctttt cacacataat tgctcaacag agcaggtgcc atggaaagtc 120  
aattcaatga gtaaaattac ctcaaaatag tccgttaatt cactcacctt tgatgtagac 180  
agattattct gcattgatac ttatctctta ctcttaaaat tcgctatgta ttaataaata 240  
ttttattgaa tattaaggaa tgatcactat ttttaataaga tgttctttac catatatttc 300  
tatatgtaca tgataattag aagtatcaaa ttatattgtg gaatgtaaaa gcttttcttc 360  
tgaagccaag catttgtttt attgtcattt cagtggcaaa tatggacttc atattcaaaa 420  
tgatgttcta tattat ttttt ccttacaagc tttttgaaaa acaatttaatt aattccatga 480  
ttgtttagtc accactgaat tgattctgaa agcttacttt ttaaataaaa attgaccttt 540  
atcaagcaaa aaaaaaaaaa aaaaaaa 567

<210> 1187

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

754

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1187

```
ccatctttct ctctgctcta tgagaccctc cccttcctta tttttatctc ttcccacttt 60
atgctggggc ttccctatcc tgccctgagt tatagttagt cactaacttc tcs gctggct 120
cccaccctta tcacatctca gctacatata taaactctct gttatctaag taattctatt 180
agccagaagc aattccagag tttatattag tactaggaag gtgtcatgta gcccctgtct 240
aacatttgaa ttgaactaaa atgtgaatct caataaaagc aacacagttt tcacagcata 300
tgctgataat ggcaatccaa cttctttttgc cttttcccca gagaatcctg ggaatatact 360
gagcttggtg ctttgatgat tctatttcag ctttggtgcc ttaaaaaaaaa ttacaaatca 420
attttgaatg gtttaagttc atgattttgt tctgcagccc tagctagggg tgagccaagc 480
cttatgaaat ctaaaactcag cctaacagaa tagaaatcta taggcttang ttaaggggtca 540
canggcccgga gtccagngtg tgattg 566
```

&lt;210&gt; 1188

&lt;211&gt; 304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (290)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1188

```
ggcagaggtc tttgaggaat tgccaccctg tcttccacga tggttgaact aatttacact 60
cctaccaaca gtgtaaaagt gttccttttt ctccacaacc ttgccagsat ccgttgtttt 120
tttaattttt tattgataac cattcttatt ggtgtgagat ggtatctcat ggtgggtttg 180
atttgcattt ctgtaatgat cagtgatgtt gagtttttt catatgattg ctggccacat 240
gtatgtctta ttttcagaag tgtctgttca tgtcgtttgc ccactttgan gagttgtttg 300
tttc 304
```

&lt;210&gt; 1189

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

755

&lt;400&gt; 1189

```
tgtgtgtaca tcacaaatct gttttcttnt gcttctcttt aaaaatgtnt cctgagtgat 60
ttcatcagca gtgctgttgc taagcctata tttagcaact gaaaatcatg ctcagaaata 120
ctgtcatgct tttttaaaaa rgcatatcca tccctccaca catggctgat tccagaacct 180
tcatgccctt agcaaaaaat tgagctgtcc ttcagggttt caaaaaaagt actgtactcc 240
tgctgcaccc cmggctcttg gcaaggaggg gacttttgtc ctagagaatg ttctttctta 300
tgtattattg caaaacaatt ttgttcttgc atactgaagc atcactggat gaatttcttt 360
cccctgtaga caaaccgagg gtgagtattg ctctttaaat gtcagtaaata ttgttttagc 420
ttctggggca aaccttgttg tactcattct gtctctccca gcataatatg ttaggttgtc 480
ataaaatagg gcaaattgag gatagtgtaa ctactgctgc tgaataaatg ggaaatagtg 540
```

&lt;210&gt; 1190

&lt;211&gt; 489

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (349)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1190

```
gcttctctaa ctaggaagta tacgtaaagg aggaattgct agggcatggg attggcataa 60
tttcaccttt tctagatatt gcccantcgc tgcccacagt gcacatacct ttccaccagt 120
cacatgtgag agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata 180
atthttggcca gttaggaaat ggcattctcat tgthtttcatc ttaatttgcg tcagcctgat 240
tactcattga aacttgtgan gttgagaaac ttttcttaag cttattggcc attcaagttt 300
cctcctttat gaaatggttg ttcattgtcat ttgctcattt ttatattana ttgtttttct 360
tttttccagc tkacttgtak gaactctaca tcttatcaat attaatacatt tatcgaaaac 420
tatttgggtg ccattatctt ctcttagtca atgttttttg tttgtggata tctttttataa 480
tatataant 489
```

&lt;210&gt; 1191

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

756

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1191

```

tcaggcattg acacttttga agaaaggggg taggggacac agctgggcag gtggagtggg 60
tkggcaggat ggctgtccca gtctgcccac cttctcttgg ctctgggacc agcggcttgt 120
tctagggatt tggacctgga ggccaagggc aataggagag ggtctgaagc ctgtgctgtc 180
tgctgcttgc tgtgaatggc cctcccgggt catgacagag ctcttttggg gcaggagggtg 240
agggcagggg gccccgctcc ttggtaaggg cctgccctgg ggctcccagg gaagtgggag 300
ctggggagcc aatccaccca gaccgcgctc cacttgggag gcatttgggg ttgcaggacc 360
gagacccaca tcctctnact cacttctcca cccgccagca gctgccacag gc 412

```

&lt;210&gt; 1192

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1192

```

gcggccgccc cgcccccgct cccgcmgccg cccgccagtc agtcagtcag tcagtcagtc 60
agtcagtcag tcaactgagcg cgcggcgcgcg gagctgctgg cagtcgctgc gtctctggcg 120
agggagcgcc gcgcctgggg aggaggcgga ggcagcggtt ggaggagcgc gagcggcggt 180
ttccttgccc ggggccgcgg gaaggccgac cgactgccgc gatggagcag ctatcagatg 240
aagaaattga tcatggtgct gaagaagaca gtgacaagga agatcaggac ctggacaaaa 300
tgtttggagc ctggcttggg gaactagaca aactcactca gagtttggat tctgacaagc 360
ccatggaacc agtaaaaaga tctcctcttc gccaggaaac aaacatggcc aacttttctt 420
accgcttcty catatacaac ttgaatgaag ctctgaatca gggagagact gtggatctgg 480
atgccttgat ggctgatctt tgctctatag agcaggagct cagcagcatt ggttcaggaa 540
acagtaagcg tcaaatcaca gaaacgaaag ctactcagaa attgsctgkt arccsacata 600
cattgraaca tggcaccttg aaaggattat cttcttcatc taataggata gctaaacctt 660
cccatgccag ctactccttg gacgacgtca ctgcacagtt agaacaggcc tctttgagta 720
tgatgagggc tgctcagcaa tctgtactag aagatactaa acccttagta actaatcagc 780
acagaagaac cgcagtcagc aggcacagtg agtgatgctg aagtacac 828

```

&lt;210&gt; 1193

&lt;211&gt; 280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1193

```

atttaaaaga caaagtaagt aaaaatactt ttagtaggca ttcgtggatt gtgaacatcc 60
aagttatatt ggtttgtata gaatggcatt aagtaaaaaat tacagctgta taacagtagt 120
tttctaaatt gagagagtcc acatttgtaat tagagatcac tgtgaccaa atgcttctcc 180
ttgatttata atgatgkact gtatttttga ctgcttatat gaaatttcag caagattgac 240
gatattataa agatgcttat aaagtgtgaag tggagacgct 280

```

&lt;210&gt; 1194

&lt;211&gt; 393

&lt;212&gt; DNA

757

&lt;213&gt; Homo sapiens

&lt;400&gt; 1194

```

gcattccctt  tgccatcccc  tggactcact  cctcatccta  ttccccaaaa  agtgagaagg  60
gcaggctgtg  tagatggcat  tcctgagaat  gagccagtgg  agagcatctg  gccctggcat  120
gtgaattcaa  gccttttccc  agctgtaata  accaccctct  tttttccaca  ggggctaacc  180
tgcacgggtca  agaatagtaa  gtcactcttt  tctgttcttc  ttcttggtgc  cttcttaatc  240
aagtgagagc  ctgctgccaa  cttctgacag  aagtcttgcc  atgccactcc  aggttcaggc  300
tgtgagctac  agccatccgc  aggaggggtc  ccggaraaat  tgtggatgcg  ttgcacctgc  360
gcttctgtcg  agaacattca  ttatgcaaaa  ttc                                     393

```

&lt;210&gt; 1195

&lt;211&gt; 937

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1195

```

gatggctggg  ggtgggagtg  taagtccctt  ttcctacttt  catgtaaagt  gccacagggtg  60
tcttggtttg  catattcaaa  tattatatag  gaaaaacagt  ctgttatgta  tttcttcacc  120
tagcttcttg  taatatttat  ggacgtttcc  agtttttgta  ccttcttagc  taaagcagtt  180
gcctttttgt  aatggcaatt  aatttatatg  ataaaacttt  gtatccactg  tagttgacag  240
tattggttgc  taattaactg  ccatattgcc  ctgtctttct  attaaaaaaa  tactgtacct  300
gtacttagag  gctaacagat  tcatgtggac  atttaccagg  caagaccaac  ttgtattgtc  360
catgatttct  acgatttcca  ctatcttcaa  atgaaaaata  aacgctgagt  agaactgatg  420
ttttcagact  aactcctttc  aacttttagc  tttgggagtc  ccagatttct  gtttacgttt  480
gtgtcgcttg  tttgtctcca  aaataagttc  tgctgtctct  gggtcaaaac  aaatgattaa  540
ttcgcatttc  ctttgaagcc  attgtgaaaa  ccttaaaaga  aaaaawaaar  araaaaagca  600
agtatctttt  ccagttgggt  tgtcttcagc  agcaatttac  tcttattgaa  gctgttcctt  660
cggagtgtgt  gaacagactc  aagatattat  tataaagcat  catccttcaa  tcaaaggatt  720
attttataat  atgtgctgtg  aaattaactt  gagtggcaaa  gtttggtgca  atgagttatt  780
tcattcaatg  gtgattgatg  ctgttaagta  atatttttta  gtgactcgag  gaaatactgt  840
gcatttacag  atccatcctt  aaggatgcag  gtctaaaaaa  agagtaagaa  agaaaaatca  900
agtggtagat  agataraara  araraaaaaa  aaaaaaa                                     937

```

&lt;210&gt; 1196

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1196

```

gtacgcctgc  aggtaccggt  ccggaattcc  cgggtcgacc  cacgcgtccg  tttttttttt  60
tttttttttt  tttttttttt  ttttttgttt  tttttttttt  ttttttgttg  tacacaatca  120
tttgttttat  ttgaaaacat  gtctacactg  cattgagcac  caacacagggt  gtgaccaaga  180
aaccacaggt  cctgtccccg  cagcactggg  tccagtgtat  gacttgggggt  ggactgttat  240
ttttcacagt  gaggggggga  aggataggaa  agaaaagatg  gccattatcc  caactcctgt  300
tcaggaatct  gaacaatgaa  agttatttaa  actcatccag  ctcttctcat  tccccctctc  360
tcaatcagct  ggtgttcaaa  tatggaatct  gaggccgagc  gcagtctctg  gtttctttga  420
agaacttttag  gcacactcca  ggctcaggaa  aactgcactc  ctagtctctt  ctgattgcaa  480
tagccttctc                                     490

```

&lt;210&gt; 1197



758

<211> 1511  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (649)  
<223> n equals a,t,g, or c

<400> 1197  
aggaggaacc agaccgcggc cagagcggtc aggaacaaca tggaagactg ctgcgaaccc 60  
tgcccatctc tttgctatga ctaaaatgaa ttcccctatg ggnaagaagg catgtggtat 120  
gacggggagt ttttatactc attcaccatt gacaattcaa cttactctct cttcccacag 180  
gcaaccccat tccagctgcc attgaagaaa tgcgcgggtg tgggaaatgg tgggattctg 240  
aagaagagtg gctgtggcgt caaatagatg aagcaaattt tgtcatgcga tgcaatctcc 300  
ctcctttgtc aagtgaatac actaaggatg tnggatccaa aagtcagtta gtgacagcta 360  
atcccagcat aattcggcaa aggtttcaga accttctgtg gtccagaaaag acatttgtgg 420  
acaacatgaa aatytataac cacagttaca tctacatgcc tgccttttct atgaagacrg 480  
gaacagagcc atcttgaggg tttattatac actgtcagat gttggtgcca atcaaacagt 540  
gctgtttgcc aaccccaact ttctgcgtar ttggaaagt tctggaaaagt agaggawtcc 600  
atgccaagcg cctgtccaca ggactttttc tggtgagcgc acttgsggnt ctctgtgaag 660  
aggtggccat ctatggcttc tggcccttct ctgtgaatat gcatgagcag cccatcagcc 720  
accactacta tgacaacgct ttaccctttt ctggcttcca tgccatgccc gaggaatttc 780  
tccaactctg gtatcttcat aaaatcggtg cactgagaat gcagctggac ccatgtgaag 840  
atacctcact ccagcccact tcctaggaac aatggaagaa gaaaggactg aaccagggtta 900  
tttttgtagt gttttctatg tgactccaag agggaatggt caagtgtgtt catgagtttg 960  
catgggccc tggaaaaaca ggaaaggagc aatgaagatc caagcaaac tttactttca 1020  
gcgttggttt ggaggacaaa taagaaatga aacatcctat gaaatacttt atagcacatg 1080  
gcagatttgc aactagtaaa atgctggtga aatgctgttg gtaaagcaca tggttcaaat 1140  
ctagaagatg cagttcaaaa acaagacaga ctcgagttgt tagggctgag gaaccaatca 1200  
aggtagaaca aagaaaatgt tggggtaaaa gtgttgctga ttgtcaacac aaactggctt 1260  
aataatatta ataagaacct gtcttattaa gactggcttt agaaccgtag gtttttttaa 1320  
aaaattatta tttatttttg ccctcttttg ggaagtgggt gggtagattt aaaaaatccc 1380  
ttcctgagta ataaagatac aaaatgttac tgcgtgataa tgtgatttgt tgagccacgt 1440  
ctatattaac tatagctccc ctctattttt aaaattttac ataaaaattgc ttcttcctct 1500  
tttgtcaagt c 1511

<210> 1198  
<211> 743  
<212> DNA  
<213> Homo sapiens

759

<220>  
 <221> misc feature  
 <222> (712)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (732)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (735)  
 <223> n equals a,t,g, or c

<400> 1198  
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 cttcttgctg tgtggccaat attcacgagc acttaaacac ttcttgaaat gccaagctc 120  
 ggaagataat gtggcaatag aaatggcaat tgaaactgtt ggtcaggcca aagatgaact 180  
 gctgaccaat cagctgatag accatctcct gggggagaaac gatggcatgc ctaaggatgc 240  
 caagtacctg ttccgcttgt acatggctct gaagcaatac cgagaagctg cccagactgc 300  
 catcatcatt gccagagaag agcagtytgc aggcaactac cggaatgcac acgatgttct 360  
 cttcagtatg tatgcagaac tgaaatccca gaagatcaaa attccctccg agatggccac 420  
 caacctcatg attctgcaca gctatatact agtaaagatt catgttaaaa atggagatca 480  
 catgaaaggg gctcgcagtc tcattcgggt ggccaacaac atcagcaaat ttccatcaca 540  
 cattgtaccc atcctgacgt caactgtgat tgagtgtcac agggcaggcc tgaagaactc 600  
 tgcttttcagc ttgcgagcta tgttgatgag gcctgaatac cgcagcaaaa tagatgcca 660  
 atacaaaaag aagatcgagg gaatggttca ggagacccga tatactctga gntagaagag 720  
 gccacgattc cngtnccctt ttg 743

<210> 1199  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<400> 1199  
 gagcagggaa actgtgtcct ggcagagatc gtggtcctgg gcacacagga cccctcagca 60  
 cactgaggtg gagctggggc gaggggaggg ggtgcgctct gggtaactga aggtgtgaag 120  
 sgcccagggc ctgtttctgg gcagtgcagg aagtcccarc cccatgcctg tggtagatc 180  
 ccctgtaggg cccccccac catggacact tcggggcctc tacggtcttc caaagctgtg 240  
 tcctcatttc cactgcagca gaggggcgtc cccagctccg tcaaacagcc ctttctgttt 300  
 ctggagtcct acaagtggag gcccaaatcc gttcccatgt tgaggcaagg ccctggctgt 360  
 tccttcctct ctggaaaccg ccttgaactc ttcttttggg acatgcctcc tcgaccagcc 420  
 ttgaaggggt gctcctctct cactacctgg aaccaaacac ccccttcctt tgtgtacaag 480  
 ggcaataaag agtagacctt catcttcaa 509

<210> 1200  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

760

&lt;400&gt; 1200

```

ggggagggggg atgtaaatTT gataaatagg ttggtgaaaa cttatatTTT cttgtaaaga 60
gagagaactg agcatgttTg aggtataagg taaaaaggcg tgaagaggaa tatttcgTtg 120
ataatgaaag tgagcagcta gggaagaaaa ctcccagagg aagagggagg caaggaaatc 180
aagaacacac ttaaagTTTg tcagaagaag gaactTTtatt tccttaaaca ttcaagaaag 240
atgatgtcat ttcagTTtatt gattgt 266

```

&lt;210&gt; 1201

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1201

```

gttttctaca tatcttgaaa ggcagtgcac aatgacgtgt aattatctag gtggtaaaac 60
tgaaacatac ttctctttcc cttgaatata aaaaagcatt gtggtattag tacttttTatc 120
ttggatcatt gttcagaagg aggttcagcc cccagacaac cacattTTtTa ctgtcatgaa 180
tggaagaca aaatgtagag ctcaactTtac ccaaaggaaa aaaggctcaa aagacaaatt 240
atggcacaaC ttagcagcca aattctTtacc aagtacagac ttttgacata ctgatctctc 300
tccagTtsca agtsGgaaca tgcactTTtga atgatgtcat tcaaaattac cctgcccaga 360
cacactTTtTc attgattctc ttggaggggca gttc 394

```

&lt;210&gt; 1202

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1202

```

caaaaaggcc agaggctcac taggtcagca tcataccaaa cgcctggctt tcaccaggca 60
tcagtgtgct tcasttgaga gtttggtacc atggTTaaga tcgagtccat gctaggtaag 120
tcctgttagg aatgtcagTt tgtattccgc ccacgtgaat gatgctgagc ttaatgtatt 180
atTTtgaggg gcttctTtcag agcagTtctc actgagctTt cattaacct acactcttcc 240
ggacggctct taaaactTgc aggacataat gaaattggga agagcagagt gttgaagtct 300
atagcatggc cttctgctTg accctgagTt cctgaattga atgtgggaga cacaggccat 360
acttctctag gcactcacat gtctccctTg gcataaggaa acatgttagt aatatagTtT 420
tttagatcca acag 434

```

&lt;210&gt; 1203

&lt;211&gt; 425

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1203

```

cactcggcca ggcgccggcg acctgagggg agagggaacg cagctgaaac tcgaactgtg 60
agatgctTTt gacaagTtat aataagggag agatggtagt aaaggaaTgTg aagaagcgac 120
gtgaaattga aggaaaagaa aatgacctgc cttcttaccg cggTtggaat acacacccaa 180
acgagaggta gcagagaagc aagcagtgca ttctgttaaa aattattgtg tcctcattTg 240
agagaggagg gatcctcaaa taatacaact atgtgcaaag caggaaTgTa aatccttctc 300
agtctctctc ccagTtgTaa tccaagcctt ccacatcttT cctgtatgtg cataaccatg 360
ttattTtTgct ttcttatgaa aatgagatta tgcatactgt tcgataatct gtttcagatt 420
aaata 425

```

## 761

<210> 1204  
<211> 689  
<212> DNA  
<213> Homo sapiens

<400> 1204  
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cgccgtcggc ctcccttgccc agcagccgcc gcagcagcat gggcagcaca gcagttgcca 120  
ctgacgtcaa gaaactgatg tcctcagagc agtaccacc agaggagctc ttcccgaggg 180  
gcacaaatcc ttttgccact gtcaagcttc gtcccacat caccaatgac cgctcagcac 240  
ccctcatccg ctgaggcggg gtccgaggtc gtacccaca gtgcacctgc ccaggggctg 300  
ttcagagctg gcaatggcag cgacagcagc aacagcagca gatccaagaa gcgggtccct 360  
gagacggggg gtggctgccc tccccagacc accccggcag cctgagcagc tccaaagcac 420  
tggcttgggg tccgagacct tcaaagtaaa gcaggcgga tggggggaca ggacaatttc 480  
tccccctcca ggggctccag gactctccct ggggggcccc cctcttgccc cctaacctct 540  
ttcccccttt tctgcccccg tggggaggag ccccttgtag ctgctccgtg cccaacacat 600  
gccctctctg tacatctttt gtaaagtatg agaaataaag gaagtggacg caaagtgatg 660  
cggcaaaaaa aaaaaaaaaa aaataaaaa 689

<210> 1205  
<211> 2476  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (833)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2456)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2472)  
<223> n equals a,t,g, or c

<400> 1205

762

```

gaagtgctgc tagtttttat gagaagtata ttatattaaa tgtgaatttt ttaaattttg 60
cttctttatac tgggaaggaat tttagccttc atattgatat ctaattaatt atttaagtgg 120
aagaggctgc atcaccaattg aggtaattgta gagcaacatg ttaaagaatg atgggttagca 180
gaagctgttg tatacaatct tcatgaaaat ttcagtgtgt atttttcttt ttctataata 240
cctttaactg caaagaaaag gcagtttcaa atataagaaa tttatttcag gtaagggtaa 300
tattttaata gtagtcaata atctagctta aggctgtaac tcttctatcg gggctaattg 360
tatgaatagg tgtcagtatg ttgaagatta ctttcttttg tgactttctt ctacctcatg 420
ccactgttta aaagtaaaay gtattttaat gatgttagaa taagactacc attctaaata 480
tcacctactt atgaataaca tgtaataatt tttaacmtta atgattccmt aaaattgtat 540
tattgggatt agaattgtgt ttatgacmgt ttagtgtttc ctctgmggca gaaaactctt 600
ttttggrgat atcttccatc aagcagtact cgtgcccata tacaatctct tagtggctag 660
gagaaataaa taaaagggcc ataattggtt gtctctcttc agacataatt tagtagggga 720
caagaagtct gtcttctcagt gagtacacta gagatttact ctggtgactg ccttttgagt 780
tatgggtgaa gtaaggatg gctttaccat aaccttgatt cattcaccct tgnattcatt 840
tctcgccccc gtcactgata tttccttgag catatatctc tgcctaacac tttagtaggt 900
gctatagagg atacatgaaa agtatgagat ctggttccat ccagtaagac attttaatag 960
agaagatcaa aatgttacct ggcagttggg gaataatctg acttcgttgg cagttggcct 1020
taacttctta atcattgatc caggaatatt tcaaccagag acacaacttt ctggcagaca 1080
gacaaattgt acaacaccaa caatatcctg gaccttgaaa ttctgtttac ttcagttccat 1140
tgtatccttt aaggcacctg tgctagccta gattttgtaa taacactgat ttatgagaat 1200
ggacaaaagt ggtaggggaa ttgttccctc tccacttctg aaagtatgat gatgtattaa 1260
ggatggagga gttattaaaa atgtctcttc tgatgaggta acaattagat gaaaccatgt 1320
taaagctgag atgaacactt agaaattcag ggatattggg tctttagcct tatgaatttg 1380
agctgcttat ttaattggtg taatttacta catattagta ctatatctgt aaggattttt 1440
tattaacctat tacagatttt acaaacagct agttatatgg taaacagatt attatgcctt 1500
tttgcaattc tgaatatgat tctagtattt gtgtagatgt atttggtact ttttccccta 1560
attccaacac tagttttatat atatagcgaa taaatctagt tgtataaatt tttaaatgcc 1620
gtcagtagaa agcacacaag gttatgattt ttttaattac tggcttctga tttctttcac 1680
ttctgatcct tttccttttt ctcagatgta gctgagctct gatcatttta agacaacgat 1740
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tatgcttttg tccagaagga tcaagaattc taccatccct tgggtctttg tgtataaaca 1860
atgttaaata aaggtagact cagtctttta gatattagac agttttttta gtccatggga 1920
ttgtaaatat aaacattaac tttcctataa gaataatttg gctttgtaat ctatagcctc 1980
aaattggtat ttattatgga ttcactagac aaacagctgt ttccttattg tcttttttct 2040
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ttacagtttt tgaagtcact tttgagccct catcaagctc tcattgtgat gggagggata 2160
cctttttgtt gttaaaagcc tattattgtt aaaggccttt tatggaaacc aacttggaaa 2220
acaaccttaa atgtggatgt atcagatttg gtttatccag ccatgggaga gaaaacaaac 2280
ctaagtttac tttacttgta catatacact acaatggata gtatatttgc tgtaaactac 2340
aatgtaaaac ctcaataaaa gtgcgctgta cttcttaatg tttattaaaa gatgtatttt 2400
tacaaaaaaa aaaaaaaagg gcgggccgct ctanaaggat ccaagcttcc gtaccncgtg 2460
ccttgcgacg nnatta 2476

```

&lt;210&gt; 1206

&lt;211&gt; 630

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

763

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1206

```

ttcatagcct tctccctgat acccctcccc agtgtcacat ttgaagacga gcactgagga 60
tgaggaacca actgaagaat atgaaaatgt tggaaatgca gcatctaagt ggccaaaagt 120
ggaggatcct atccctgaat ctaagtttca gatgaactcc cataatgant gatgaatttg 180
tgatgagggga taacctggaa gtggtattca cacattatgc tacaataaaa ggttctaccg 240
tggagaggat tttgacacat tcagtaacta atggaacaca ccgtcaacat gaattcgcac 300
cttacatgac agaagtgatt cagggattcc tatgaataga aatgctgaga aggaacgcat 360
tttattgcag aagctaaaaa gctaaagtac cagtcaccta gagagaagga aattaatgtt 420
tcttaataat cctgtttaat gtttgattgt ttttggaatg tgttattgta aagatgtcat 480
gcaggacatg tatatgttgt ctgttgtaaa atgttaacga atactttgtt cagggctcac 540
tctctctttg tcatgaaagc cagctccttg tggcgaggta aagtggaatt ccaataaaga 600
aattccttaa atcaaaaaaa aaaaaaaaaa 630

```

&lt;210&gt; 1207

&lt;211&gt; 755

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1207

```

ggtaacaaca aaatttggtc ggacatcaac aaataaagta aagtgtcctg tatttggtgt 60
taggcatagc atggaaaacc tttttgaaaa gaataaaatc cgagcatcca tatcttataa 120
gtggactcca gaaggaagac gcttggtcac tggagcttct agtggggagt ttaccctgtg 180
gaatggactc actttcaatt ttgaaacaat attacaggct cagcacagcc cagtgagggc 240
catgacgtgg tcacataatg acatgtggat gttgacagca gaccacggag gatatgtgaa 300
atattggcag tcgaacatga acaacgtcaa gatgttccag gcacataagg aggcgattag 360
agaggccagg tttatacaca atataaccatt ttctgtagtc cctattgtca tgggttaaatt 420
attctctaa gttattctgg gtgcagagat gcatgggctc tgtcagtttc tgggaaactt 480
tctgcaccct ataaacacaa tttttttctt tgttttcaca cattcaccat tttgctggca 540
cctttctgaa gtagtggtgt cccgggtatc gcccttgcaa tatgttagag atgtactgtc 600
tgccgcattt tgcactgggt ttctcttttc atttatgatt aataatgtgt atacgttatt 660
cctttttatt atctactgtg taagacaaga atatttcatt ccaaataaag aattcagtct 720
ttaattatgc aactgaataa aatctaaagc ctaaa 755

```

&lt;210&gt; 1208

&lt;211&gt; 600

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1208

```

accaccctga acatgcctga gcttgtcata atatgttgag taccctaaaag atttgtttat 60
attgttaatc ttagggaaaa aaaattaaaa tccagtagat cagaacatca ggctttcaga 120
tacaaattga tttactgggt tttatttttg tgattataat atttggtata tttaaggtaa 180
tctagttaac tagatgctat ttcatagatt atattgaatg atttaaaact ttattttcaa 240
ggatagttta ttttaaatgg catattgaaa acatcattat taagatccag taggtaggac 300
atttattgga ttaaaatgaa gcatttatct atgtctttag gtgtcattgt tccctttctg 360
aattagctgt acatataagc cttccttttg ttttaagtac tgattttttt ttaaaaaaaa 420
gagggactgt ttaccattct tccactgtgc tgttataaag ttgtatttga aaggtaatgt 480
tgtttttatt aatcttttgt cttaaaaata tttaaagtgc tttgaatttt aaacatttaa 540
acaaatcctt aaataacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600

```

764

<210> 1209  
 <211> 783  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (75)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (230)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (246)  
 <223> n equals a,t,g, or c

<400> 1209  
 tgcctacgat tccccgactg cccatgggga acgaatecta tategctgag cgcttggtag 60  
 ggaatgtgga ctgtnaccct gagagtcgtc cttccctctg cctgagtcct tgagcgaaaa 120  
 tattgaatag acagcaattc ctgaagtcta aacgcctccc aggactacgg aggattattg 180  
 gaaagagAAC aagcgaggag atacaatctt caaggactaa atgggggaatn acttttttagg 240  
 ggtcantaga tgattgatga ttgattacta taaactgata atatgaggcc aaaactaaaa 300  
 gttggaagag tgagcaagta caatggtttg ggagaggcaa tgaagaacaa agaagggtgcc 360  
 agcccytact ccagacgctg tggtagcact ggtttggcag gaaaaacaat catcatttga 420  
 gagggccagt ggggaagccc tgtcctcatg gaaaagctat cttctttcgt ttacactttt 480  
 catggtatta tgtctactga agaggtaaaa acaccaaatt tcagagaagc tcttaaattg 540  
 cccaatactt caaagcaagt ataactggtg aagcgcttgg cattgatgtc agacacccaa 600  
 tgcctatgat ttattttaatg cagtagcatt aaggaggatc ctatacgtga aggaacatat 660  
 tttattttct tcctttatat tttttggtta aaatatcgtc attatagtta gcaattttgga 720  
 atctggctta cattggttga tacaataaa taatagaata aagcaaaatc agaaaacaaa 780  
 aaa 783

<210> 1210  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<400> 1210  
 acccaatttr ggtatgactt ggaagtgcag aaacagargg atactgttag aaaawcctaa 60  
 cawtggcttc cgtgcatgtg ttcacacctg gtctcactgc ctttccttcc cacagacctg 120  
 agtgtgaaag actgagagtt gaggagttac tttgtggatc ttgtccaaat ttagtgaaat 180

## 765

```

gtggaagtca accagaccaa tgatggaatt aaatgtaaat tccaagaggg ctttcacagt 240
ccacaggggtt caaatgactt gggtaacaga agttattctt agcttacctg ttatgtgaca 300
gtgatttacc tgtccatttc caacccaaaa gcctgtcaga aagcattctt tagagaaaac 360
cactttacat ttgttggtta actcctgacg gctactctta agaataatac tgtatgtatt 420
cataggaaca ttttttctca atatttgtat gattcgctta ctggttattgt gctgagtgag 480
ctcctgtgtg cttcagacaa aaataaatga gactttgtgt ttacgttaaa aaaaaaaaaa 540
aaggggggggc ccccctaaaa naacccaagc ttac                                     575

```

<210> 1211

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (545)

<223> n equals a,t,g, or c

<400> 1211

```

gggccgcggc ggaccctcgc tgcctacct ctctcgcggg ttagtgcggg gtcgggctcg 60
gccagtcctg gccagctccg ggagagcctg gcccgaaatt ctgcctccac cctctttctc 120
gccgcgaagg tgactgttcc ttttgcccca gccctctcag acccgccccg gattcccagg 180
catcgggaga cgcggaaagg artgggggtct ggtggaggcc ccgggcgtat cgctctccag 240
gccgccctcc gcgggcctgc cccggccacc gctttaacgt cggagagaag gaattgggga 300
gaaargttta agagcctgcg amttcgttgc tgaacttttc ccccccaaga caggcttccg 360
aaagctgcgc cactggaggg atccgggacc tcagactact cgggtttggc cctggcatgt 420
gtgggagcag tttttattag agagaatgct caatttgcaa gttaatttca agtcttcanc 480
cacgtcagga aaaaaacatg aaggaaataa aggangccan gcccgnccaa agataacaag 540
gcgtncaaaa acttggaat ctataaaccc tggcc                                     575

```

<210> 1212



766

<211> 523  
<212> DNA  
<213> Homo sapiens

<400> 1212  
agggttttttag gaacacaagg ttagtcagga cgtggatccc cacagtggac acgactgccc 60  
caccctgccc aggtcggagg tggccatgag gagatgggct gtcgcttgct gtctgagctt 120  
ccatccacga atgggtgtggg agttcrggat cttcccagac attstttctt cacccttggg 180  
aagatggagg gggacggtgg tggcatccct tgcagtctgt gctgcgctga cactttggag 240  
aagygtctcc catctgtaga gcagaatcct ctttgagaa atgcagctgt ccttgacctt 300  
gaggcagaag gcgtytccat cctgggcate tgytgcccc tccccatctg gatgcctcat 360  
cttgctgtgt cattaatggt aatcttattc taacagcctc ccattgcatca actctatcag 420  
tccccgaata ttatctttaa attttgtcag atcgctttgt gggtttcttg ctttttctct 480  
tttctatcaa gctattcaaa gcaaaaactg aaagtgaatt tag 523

<210> 1213  
<211> 752  
<212> DNA  
<213> Homo sapiens

<400> 1213  
gagcccccttg gccagctct tcttggagag agaagggtgct tctttgcca aacctaagcg 60  
cctaattctgt tgacatccct tggggctcta gtagaagggc ccccttcttt gatgcagtta 120  
tgccgcctta gaattcggaa gtgttttggg atccagcagc atcataagat aaccaaactc 180  
gtcctcccag aggatctgaa acagtctctc ctacatcttt aaatgcatct aggggaatgga 240  
ttcaciaaacg atgtgaaaac attattgagt gttgtagcca ctagaatttt aaaatcaagt 300  
tggatttata gagtttgact agttttttctg attagatttg tatttgttat aaacttgttt 360  
atggagtttg actaattttt tctattcaat ttgtatttgt taaactcaag ccagggtkga 420  
aagacactgc atacgtttgt attattagtt agaaggcatg aagacttttt tccctgcwtg 480  
gagagtgtca taagttattg ttttgcatat ctactgcatg ccaagcactt tctgcatcat 540  
ctaatttagc cctcacagcc actgggtcaa gatgtccaat tttccagagt aaggatagag 600  
gagtcaaatt caaatacagg ttttctgaca ttaacttatg tgatgacttg atcgaggcag 660  
gcttttccag catcactgtc ctggttccat ctctgctata tgggaatgaa aataaagaaa 720  
catatttctt ggcttgtcta aaaaaaaaaa aa 752

<210> 1214  
<211> 1088  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<400> 1214

767

```

gcgnccgctc gcccggaacc tgaggctgct gggcccaccc tcccggaacc gtccgaccct 60
cggtggcctc ggctcgctct gccatctccg gtcctaccct ggggcggagg gtggaaggca 120
gcttccgctc aagaggaggg ggctgcggtg gccaccngg cggagsccga gttattttac 180
caagaaaatg gtttgacga ctttgaacat atactatcca tgctgatggg acaggatcca 240
atatgaatat aaatgatgga ggaagacgac gctttgaaga taatgaacat acattacgga 300
tatatcctgg ggctatttca gaagggacaa tctactgtcc gattcctgcc agaaaaaact 360
ccacagctgc tgagggtgatt gagtctctta taaacaaact tcatcttgac aaaacaaaat 420
gttatgttct agcagaggta aaggaatttg gtggagaaga atggattctc aatccaacag 480
attgtccagt tcagcgaatg atgctgtggc cccgaatggc tctggaaaat cgcttaagtg 540
gagaggacta ccgcttcctt ctgagagaga aaaaccttga tggatcaatc cattatggta 600
gcctgcagtc atggctacgg gtaacagaag aacgtcgcag gatgatggaa cgggggttttc 660
ttccacagcc tcaacagaaa gactttgatg atttatgtag tttacctgat ttgaatgaga 720
aaactctctt agaaaaccta cgaaatcgct ttaagcatga aaaaatttat acctatgttg 780
gcagtattct aatagttatt aaccatttca agtttcttcc tatttataac cccaaatatg 840
tcaaaatgta tgataaccac caactgggaa aacttgagcc ccacatttat gctgtggctg 900
atgtagctta tcatgccatg cttcagcgca aaaagaatca gtgcacgtg atttcaggag 960
agagtgggtc tgggaagact caaagcaca aacttcttat tcaccacctt actgctctca 1020
gtcagaaagg atttgccagt ggagtagaac agattattct tggagctgga ccagtacttg 1080
aggccgctc

```

&lt;210&gt; 1215

&lt;211&gt; 382

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (334)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1215

```

tccgtacttg aggagacggg acacacagga caagctgcag gtggtgagca ggttcacctt 60
ctattttgaa gaccgccttc ttcttcaggt acctgatctt gaaaacgaac ctcccccttc 120
aggctcttgct tcccccaac ccagacaccg actgcgccaa gggctctcca gctggctgag 180
ttggaacctg cattttttta ccacaaggaa aagaagccca gagcttacca agaataatat 240
tttattgact tgggaatgag ttttggaatc tgtattttta acaagctgcc cagtgaacac 300
catttctctc tcgtcgtggc gcagttccag aggntgcgcc attntttccc aggtcaacag 360
tcctgtgtcc ttgggggagg ga

```

382

&lt;210&gt; 1216

&lt;211&gt; 825

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

768

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (693)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (735)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (814)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1216

```

cncactatag ggaaagctgg tacgcctgca ggtaccgggc cggaattccc gggtcgaccc 60
acgcgtccgg cccgacgtcg cctccggcta ggatggcccc tccgggcccg gccagtgcc 120
tctccacctc ggccgagccg ctgtcccgcg gcatnttccg gaagttcttg ctgatgctct 180
gctccctgct caggtccctt tacgtcttct actgcctggc cgagcgtgc cagaccctgt 240
ccggccccgt cgtggggctg tccggcgggc gcgaggaggc gggggcccct ggtggcgggc 300
tcctggccgg accgagggag ctggcggtgt ggccggcggc ggcacagaga aagcgctcc 360
tgcaactgcc gcagtggcgg msgcgycgrc sgccccgcgc ccgcracgac ggcgaggagg 420
cggcctggga agaagagtcc cctggcctgt caggggtccg ggcggctccg gggccggaag 480
caccgtggcc gagggccccg cggggaccct ggcgctgctc ctggacgaag gcagcaagca 540
gctgccgcag catcatcatc ggaktgaara agggcggmacc gcgggcgctg ctggagttec 600
tgcgcgctga ccccgacgtg cgcgcctggg gcgcgcgagc ccacttcttc gaccgcagct 660
acgacaaggg cctgcctcgt taccgggacc tgntgcccag aaccctggaa gggcagatca 720
ccatggagaa gaagnccagt tattcgtcaa gcgggaagcc cccgcgcgca tcttgggcat 780
gttccaagga caacaagctc attcgttggg tgtncgggaa ccggt 825

```

&lt;210&gt; 1217

&lt;211&gt; 517

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (432)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

769

<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (502)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (507)  
<223> n equals a,t,g, or c

<400> 1217  
gtgaaaaaaaa actatagtag acctgttatg agactgtcac tttgtacatt gttgagtttt 60  
tattatccac ctgtagacta gagtggacca tgaattcttc cactttcttc aatcccattt 120  
tctaccatgg aatcactaag agcaaagtct gctctgttcc tgaagctcta taagctacag 180  
atggataact caatgtaaat ttcattgggaa aacactcatg cctaaggtgt gggccactca 240  
gagctcacca gtatgttcaa cactataact agagacactg aaactgcaaa ccaggacaag 300  
aaattgacaa cttcacgctg tagacagctt ttcccaagat gtcagaacaa gacttcctac 360  
catgatgagg ctccctacccc tcttaatttg cctagctcat gcctgcctct ttcacttgca 420  
ggataatgtt gnnattagaa tttcacagga agtatcttct gaagggtagc ttaacagaag 480  
tatcagantc tatgatatca cntaccnaaa ttttttac 517

<210> 1218  
<211> 774  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

770

&lt;222&gt; (753)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1218

```
ccgacttact ttagggaang ctggtacgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acncatncgt ccgaccaccc aaggggtgagg agaggggctg gaagccctgg gcattaggag 120
aagggagtgg gtgctggcat ggacatgact ggatagaatt ttctcaggag ggagcttggt 180
ggattttgaa ggtaaaactt tctgggttta tcatgtttta attttagaga cagggagtga 240
tgaatcatca ccggttgtec ccttatctaa ctccataaaa gtgggaattt caaaagaaca 300
cctcatccaa ggagctgggg cagacttcat tgattctaga gagacctgtt tcagtgccta 360
ctcatccctg ccctctgggtg ccagcctcct taccatcacg gcttcaactga ggtgtagggtg 420
ggtttttctt aaacaggaga cagtctctcc cctcttacct caacttcttg gggtggaat 480
cagtataact ggagatggct agttgctgtg ttacgggttt gagttacatt tggctataaa 540
acaatcttgt tgggaaaaat gtgggggaga ggacttcttc ctacacgcgc attgagacag 600
attccaactg gttaatgata ttgtttgtaa gaaagagatt ctgttggttg actgcctaaa 660
gagaaagggtg ggatggcctt cagattatac cagcttagct agcattacta accaactgwt 720
ggaagctctg aaaataaaag atcttgaacc canaaaaaaaa aaaaaaaaaa aaaa 774
```

&lt;210&gt; 1219

&lt;211&gt; 556

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1219

```
gttttagcaca aagaaaagcc atcttgggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcattgatct tgtggatagc tgtgtcccggt gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccctttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300
aacaagagat tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcattgaact tgttaaagca ggtttggcat tagcactctt 480
tggaggaagc cagaaaatacg cagatgacaa aaacagaatt ccaattcggg gagaccccca 540
catccttggtt gggtttt 556
```

&lt;210&gt; 1220

&lt;211&gt; 148

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1220

```
gtgtttaatg atctgtaaaa tgtagattat cttcttttat tatgaatgtg attgtaagaa 60
acaccctaac attctctaac ttttgaaaat gaatatatttg tatttctaag gamcaaggaa 120
aatatTTTTT aagccmatgt antacaca 148
```

&lt;210&gt; 1221

771

<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<400> 1221  
ggttttttcgc agcgccgggt gtgttcgggt aggtgttgcg ggcaaggaag taggcagcgg 60  
cccctgagca gccgcctcgc tccggcattg cggggacacg gcggggctga ggccacgaga 120  
gcagggcccg agcccggcgg gccgtgggta cggttttctt gcaactgaaaa actgaatccg 180  
gcccgaagcg acgtgcactt tatgggtcccc acaccactcg gttactaag aaaagaccg 240  
ggcgaatgga cctaacgcaa cccgggtgck anagggcccg gtccagcagc ctctggggcc 300  
cartgcgcag ggcactgcgg gccgattgc 329

<210> 1222  
<211> 480  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<400> 1222  
ggcagaagct tgaggctctg aacgtgctac gcaacccctt gtctcgtgtg gatggggcgc 60  
tggccgcccc ctgtgacctt gacctgcagg ccgactgcaa ctgtgccctg gagtccctggc 120  
acgacatccg ccgagacaac tgctctggcc agaagcctct gctctgctgg gacacaacca 180  
gctcccagca caacctctct gccttcctgg aggtcagctg cggccctggc ctggcctctg 240  
caactatcgg ggcagtgggtg gtcagcgggt gcctgcttct tggacttgcc atcgctggcc 300  
ctgtgctggc ctggagactc tggcgatgcg agtggccaga agccgggagc tgaacaaacc 360  
ctgggctgct caggatgggc ccaagccsgr tttaggcttg cagccacggg acggmagccg 420  
kagcgccccc aagccccaag tkgcctgca ttctgcccc tncacttccc nactattgag 480

<210> 1223  
<211> 1299  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1254)  
<223> n equals a,t,g, or c

772

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1267)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1223

```
gctggccaag gcgctgcggc ccacccaaat catcttcctc aataacacag gcggcctgcg 60
cgacagcagt cataaggtcc tgagtaacgt gaacctgccc gccgacctgg acctgggtgtg 120
caacgccgag tgggtgagca caaaagaacg gcagcagatg cggctcatcg tggacgtgct 180
cagccgcctg ccccaccact cctcggccgt catcaccgcc gctagcacgc tgctcactga 240
gctcttyagc aacaaggggt ccgggaccct gttcaagaac gccgagcgaa tgctacgggt 300
gcgcagcctg gacaagctgg accagggccg tctagtggac ctggtaacg ccagcttcgg 360
caagaagctc agggacgact acctggccyc ctgcgcccgc ggctgcactc catctacgtc 420
tccgaggggt acaacgccgc cgcattctga ccatggagcc cgtcctgggg ggcaccccg 480
acctggacaa atttgtggtg agctccagcc gccagggcca aggctccggc cagatgctgt 540
gggagtgcct gcggcggggac cttcagacac ttttctggcg ctcccgggtc accaacccca 600
tcaatccctg gtacttcaaa cacagtgatg gcagcttctc caacaagcag tggatcttct 660
tctggtttgg cctggctgat atccgggact cctatgagtt ggtcaaccac gccaggggac 720
tgccagactc ctttcacaag ccagcttctg acccaggcag ctgaccttca ccatggacac 780
tacaggccct ggaatggcca ggggtggacca aaagccatgc cagctgggca tgaccccagg 840
cagccagcca caggctgaag ggggcttgtt ggctgagtga tctgcagagg agaaagcagc 900
cccagctctg cccagaggag gcgctgaagt gggacaagca caggaaagaa ggggaccagt 960
ctaggacccc aacttgactc actctaaagc tacaaccaa tggccttcga ttttcaacct 1020
ggggattagg ggaggggagg gtgccttcca gggctctact caggactaac cctaaggggtg 1080
agctagtttc tgtgcctctg tgetatgttt tgaggctccc ttacccaaaa taataccctt 1140
gcctgcgtga tattctacca ttcattttaa ttcccttggg tcttgagttt ttccaggagg 1200
ccttgattaa aatgcaaata cttgtctgag aaattccgct tacactttga aaanaaaatt 1260
aaaattnacc cccttggaaa caaaattttt tttttttt 1299
```

&lt;210&gt; 1224

&lt;211&gt; 1062

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1047)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1224

```
tccagagaga aaataggccg tgtctcaaag aaaggttctt ggtctatgcc tctggctctgt 60
gggctggcar ggcaaccata ccatacyccc gccagtcctc ggctcctgct gcaaagttgg 120
catgtttcac agggaaactt ttggaagagt ggctgcttat gagattccaa aatgaagtgt 180
tggccaacac cgctcatggc catcctggat tttcccagtg gcttcccttc ctgctcgcc 240
ccctgaacag gggagaaaagc ttaacctctc ttctcctctc caaacctttc accttgaatg 300
ggtaatgttt ggtgggggct gttccttctt ggagaagcct tgagtcggac cattttgaga 360
tcatggagga aggatgaaga agtgaaaatg acaataatga ctctcaagag gctggcgatg 420
tgacatggca aatgtagaac tgacttaa atgaacaaacc ctactgagc acctctgatg 480
ttgagcacct gctgaatact gagcactgaa tgggggaggg ggaggggagc acgggggtgag 540
tcaacctggg actcggctctc agggatatgc ctaccaatag cgggtatcgt aaggcatgta 600
```

773

```

cccaaacata acggatgtaa ggcagaaagt gatcggagaa ggaatgagaa agtgtgctg 660
atgttaatga aaagtcatat gcagctagag cagacccagg aaagctttct ggaagagatt 720
gcattctgagg aaattcagga aggatctttg tagattgggg ggagattcta aattgaaggg 780
gtgatrgggg gaggggcccag aggggaagtct gctgtgttct catgtaggat gtcagccctc 840
cctgcaactt ctcttttttg ccaatgtctt ttcactttcc tgacccttta gaatcatccc 900
cagccagacg caatcatgga agttgcctta ttgtcactgg ttaagaactt ggcgagattg 960
aagggtcttt gttattgttg ttggatattt ttgtttccca taaaagcaca tcatttcaac 1020
cctaaaaaaaa aaaaaaaaaa aaaaacncgg ggggggggcc gg 1062

```

&lt;210&gt; 1225

&lt;211&gt; 608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (561)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (596)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (602)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1225

```

aaaaatggga tgaaccttgg tataacccaaa aaacagaaca tcaaagaaat agcagtaaga 60
ttctgagatt tatttcagac ttccttgctt ttttggttct ctacaatttc atcattccaa 120
tttcattata tgtgacagtc gaaatgcaga aatttcttgg atcatttttt attggctggg 180
atcttgatct gtatcatgaa gaatcagatc agaaagctca agtcaatact tccgatctga 240
atgaagarct tggacaggta gagtacgtgt ttacagataa aactgggtaca ctgacagaaa 300
atgagatgca gtttcgggaa tgttcaatta atggcatgaa ataccaagaa attaatggta 360
gacttgtacc cgaagaccaa caccagactc ttcagaagga aacttatctt atcttagtag 420
tttatcccat cttaacaact tatcccatct tacaaccagt tcctctttca gaaccagtcc 480
tgaaaatgaa actgaactaa ttaaagaaca tgatctcttc tttaaagcag tcagtctctg 540
tcacactgta cagattagca ngttccaaac tgactgcact ggtgaggtcc cggcanccaa 600
cnggcacc 608

```

&lt;210&gt; 1226

&lt;211&gt; 889

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (850)

&lt;223&gt; n equals a,t,g, or c



774

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (882)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1226

```
atccatttta ggtactctac tgactttttc cttcacttgc caagcccttt tattgttcac 60
tgtagaaaa atagagaagg tgagacagct gggggaaaat gtggagtaa tgataatcaa 120
atgttgaatt ctaaaagtct ctacatttac ctaggttggc tttctcccc agttcagaag 180
tttccagctt ggccaatcat cagaatcact tgaggaactt agaaagaact ccctggctgt 240
agctcctatg taggtttagg ttgagactct ggattccaca atttttaag gttaccatct 300
gagggtttctg atcatagtct acttttgaag cagctgctgc trtttcttta ttccattgaa 360
caccckggaa ttgacataat tttatctatc agcatttctc cccttttagt ttatttaata 420
attaaccggg tctccagggc agttttcata tgaccatgtg tatattcact gctcacgaaa 480
aagtttaatg ttagattacc aaatttaata tagttacaga attactgcat aagggttcc 540
cttcttggag actcttacct agcatgggaa cagtgatctg cccacatgac aggggtggtat 600
gccaggcata gttaactgct tttggttgtg aggtactcat cttcctttag ttacccttag 660
ttatgtggca cacatgtcct tattgcctag ttcgtcatcc acactttgga tcttgtgaaa 720
atgctgttag tatccaacct taaaatatat tagtatatgg gtttttatta aaagaattac 780
tttgaatttt ctatttaatt catatgtaaa taaaggaaca tttcatttca cttaaaaaaa 840
ttatatcagn tattaagctg ggtgcaagtg gctcatgctt gnaatccaa 889
```

&lt;210&gt; 1227

&lt;211&gt; 739

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (678)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (693)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (736)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1227

```
ggcacgaggg gaaatgcttc tgccgcaagt ctactctcac gaccacctg aggaccaca 60
caggagagaa accgtatgaa tgtaatgagt gtggaaaatt cttctctcgg ttgtcatatc 120
```

775

```

tactgtaca ttatagaact cattcaggag agaaacccta tgaatgtaat gratgtggaa 180
aaaccttcta cctgaattca gccctcatga gacatcagag agtgcacaca ggagagaaac 240
cttacgaatg taatgaatgt ggaaagtatt tctcccagtt gtcatacctc actatccatc 300
atagaactca ttcaggagta aaaccctatg aatgtagtga atgtgggaaa accttctacc 360
agaactcagc cctttgtaga catcggagaa tacacaaagg agagaagccc tatgaatgct 420
atatatgttg aaaattcttc tctcaratgt catacctyac tatacatcat agaattcatt 480
caggagagaa gccctatgaa tgtagtgaat gtgggaaaac cttytgscag aattmagccc 540
ttaatcgaca tcagagaaca cacacaggag agaaagccta cgaatgttat gaatgtggga 600
agtgtctctc tcagatgtcc tatctcacta tacatcatcg aattcattca ggagagaacc 660
tttgaatgta tgagtgtnga aagccttctc tcnggtgcat acctcactgt acatatagac 720
ccttcagggn gaaccnatg                                     739

```

&lt;210&gt; 1228

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1228

```

ctttgttnca ttgcccattt tgaaaaaggg aattatttct cagtctttca aggcttgaga 60
ctaatatagg ccattgtgat tcaggaagaa acccaagggt ggaggggtgg atgagtaccc 120
tctgaaaaag ggaatttgct ggtgaaaaga ggctggatct tgtggaagac tgtcttggat 180
ggggaagtac tacctggaga tttcaaattc acttggcctg caaacaacag agttatccgt 240
atcttccaca tgtgaatgtc attgcaaggg tgactctaga caaactacaa accgatggac 300
cgtcaagctc cccaggagcc ccttggatgg cagcgttgct tcagagtgtt tctgtttct 360
ggaattcctt gttagggaac tttaaagaag aaaagaaaaa cttgaattgt gttgaattac 420
tgtatctttt actttttttt tttgaaaaga taaacttgta aatagagtga tttgaaatac 480
taaaaaaaaa a                                     491

```

&lt;210&gt; 1229

&lt;211&gt; 1596

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1229

```

cactggcggg tcgcaacgct gtgggcgttc caggaggtgg tcgtggcgaa cctggcngct 60
gcatgagga aactgaggcc ctgagaattg actcattcag atcacttccc atgatcacgc 120
agctgagcag tttccaatac agaattcaga tttgggggttc cctacttcsa atccagggtct 180
ctgtgctcca cacttgtctt tcgtgctcca tgtttgaaga aattaatatt gtggaagaac 240
agttttaagg cttagaggaa cttgarttag gatccgtact tggcagatga ggaaattgat 300
tctcatggat gtaaatccac tgtttgaggc cacaacaggg catcatggag ggaggcttga 360
agaggaaaca ctctgatttg gaagaggagg aggagaggtg ggagtggagt ccagcaggcc 420

```

776

```

ttcagagcta ccagcaagcc ctgctccgca tctccctaga caaagtccag cgccctgggc 480
ccccgagcac ccagcctccg caggcatgtc ctcatccata acaccctcca acagctgcag 540
gctgcacttc gcctggctcc cgccctgcc ctgccccccg agccctctt cctgggagag 600
gaggatttct ccctgtcagc camcattggc tctatcctca gggagctgga cacctccatg 660
gatgggactg agccccctca gaatccagtg actccccctg gcctccagaa tgaagtgcc 720
ccccagcctg atccagtctt cttagaagct ctgagctccc ggtacttggg ggactctggc 780
ctggatgact tctttctgga cattgacaca tctgcggtag aaaaggagcc tgcacgggccc 840
ccaccagagc ctyctcacia cctcttctgt gccccagggtt cttgggagtg gaatgaactg 900
gatcacatca tggaaatcat tctgggggtc taaaactgtg atagagggga tcatccttc 960
ctcatgtcat cttcgggtggc ctggatccct gaatgcaact ctgggtgtgt gttttgtgtg 1020
gggctcgaag cagtgactat ggcctccttt gttccattt cagggttcca caaactgtct 1080
tgcattgtgtg tgtgtgtctg gttacccoga ccttctgtga aggtgggtct tctgaatta 1140
atztatctat tccaaatgcc ttaacgagac tctgtttctg ggagtctgat tttccactta 1200
cacatttctt ccacctttcc tgctagtctc cactccccctg tgaccactgg ggcctcaggg 1260
aagataaaga aagctggggc tgtcgaagga tgacagggat gtgctgccag gttgctatag 1320
aaaccagggc tctgcctctt gcaccttgag ggggtgggag gggctggtgt cctccctcca 1380
ggctgaaccc cacttctctg gcaggacccc agtctcagca gcctcctgat ttcataacca 1440
ggccggacca cgtgcaatag ggtggaaacc aaactgctcc atgccgggtt atttaaaaga 1500
aaggcagagt ttgtggtggc tttttttttt ttttttggat tgtttgtaat ttttttaaat 1560
aaaagtattt tggaaggaaa aaaaaaaaaa aaaaaa 1596

```

&lt;210&gt; 1230

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (563)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (578)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1230

```

cctcgagtag cacttttagtg aggctgtaag tacaggaatt attcttacct cacagacaga 60
tgagcagttg ggcttctaaa agataaagta agctccctga aatgacacag agaatcattt 120
ctctatgaaa gatcagggtc agcatccagg ttttgcaaag cccaactcag tgtacttttc 180
atttcatctt acgttgctta agaaggccag gcatgtaaca ggtaccatct gctagcgatc 240

```

777

```

actgaatgca ccttggttag cgggtgggggg tgtagaagat gatgcggggtt caccaagaca 300
gtacattkga gaaactgccca ttctttccct tagrtgctga ctggaaagct tctaggggcy 360
awctgtgtgc cttattcagg grgacycata aagatcttgg aaagtgtaaa tgaacatggt 420
ttatgagtag aaatgggtcca caatttagca gatagaaagc ctgggttcta gcccagctc 480
tgccattagc tgtgtgatca tagataaatt ctttcccctc ttgagggttg aacatnactg 540
actctacaaa gaancaaatt ggntctggaa gtggatanca 580

```

&lt;210&gt; 1231

&lt;211&gt; 1676

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1231

```

ggtttcaaat atgtggtaaa attctgtgac ctgccatatt ggatttataaa cttcatcttc 60
atcttaaaac ttcatctttt gaaatctctg aaaatcatta gtgtgcatgt attgaacacc 120
agtctttatt ctgtaattaa cccccagat ttctttcccc tcaccttatg ccatccatct 180
gtgtgttttg tttccagtat gccatgtgga agagggtgtga gcctttcttc agcccaagaa 240
ggaaacttta aacatatttg cacaataaaa tttcaaatta aacatttcaa aaaggggtgt 300
cagactagaa atacatgctc ttctgaaatt ccattgttga actgtaactc ctgtcatata 360
taccagtggt atgaggaaaa gttcttgcag ttttcacact gcccttctgt attgctgcct 420
ggctgtgctc tgttgttggg actgaaatat gaaattttta ctttgaagta tgtaaatgtc 480
aaagttgatc gtattaagtt tkgaaatcct ttgagggtta tctaataagt gtgttggagc 540
ttctgtctct tctggtaata ctgtaccctg ttgaaccaag aacagtttta ttgtttgttg 600
gacttctgtt gttttctaat accataacct gtgtccctgt gcagtcaggg ggtcacttct 660
ttaagatcat gtataatacg gcccgtcata tacacgtaga tagagccatg tgattccaga 720
aattagaaga ctggatctgt ggaatccata catgttataaa ttttgccaaa atgagatgat 780
taaaattttt gtgagtttta taaactgttg cagttcgctt tactgatttt tcaatgataa 840
tcacttttat gggaaggggg ctttaggaaca aaaaactttg ccaagaatgc aaaatcttac 900
tggtttttta agcttgtaac agttgtgtgt aaaactttta tatttgaaac gtaaactcac 960
cctttctgcc actgctttca ttgcactttt cataccaagt tctctccaac gtggtgtctg 1020
aaagattttt attatataca ctctttatgg aattcaatga agtgtgggta tgctgtgttt 1080
ctgaagtttt taggcttttc ttcataggcc tgcctaatac tagtgtgttt ctataacttc 1140
agatgattca aaagtttagt gcttcattgt agcaaaaaat gtatataact cataatatcc 1200
tacatgtagt attcaaaatc aattattaat aaccaataaa ggactcaaca cattttcatt 1260
gcgtgttctt ctttaagaca cctaaactca tatctcataa tttctgaatc cgcaatccct 1320
attcattaat tgattacagt ttttgagttg ttggaaagcc tagccctctc agattcaggg 1380
ttcagaaaga attaccaggt ctggtaaaat tgtctgacta gcccttagcc tcagaatggg 1440
caacttcata gtataagcaa agaaagtggg gatctcatac agtcagcttt ttcatgaaca 1500
ttaattcatg gtgaatgcac tcacagcaac caaaatccaa aaaaaaaaaa tgttcatcta 1560
aaaccttaaa cattagcttg gctcattgag ttcttggtag aacctgcttt tcatatgaca 1620
cagtatcaaa catgatttca gatgaaatgg gtggtgttaa tattgtgtta aagaaa 1676

```

&lt;210&gt; 1232

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1232

```

attacaggca tgagccactg tgcccggcct tcctttcttt ttaataagtg tatgtatctc 60
aaagccattg ccttctctag aaatctgttt ctctgttctg gaagagccta taaactttgc 120
cttcagttgt ttttcttttc aaaagggaac accagtggta gatgattaac tcttatttat 180

```

778

```

ttttaaaatt taatttggat ctatagtcag tatctgagat ttataggatg aactttgggt 240
tacaaggaac agtgtagtta aaaagttagg gtgcctatgt tcttatgtaa tcatcaacat 300
gtttgttgta taatcatcaa cttttttctg aatgcaatga tgaacatttc aaacaataaa 360
tgaaaatgaa actaagtatc aggaagtagc cagt 394

```

```

<210> 1233
<211> 501
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

```

```

<400> 1233
cttacatcta ttttgattga cttgaaataa aatttaacac ctcagggaag gcaattctca 60
tgtgttttga attatactga gcattaattc ttcaggataa ttatagactt ggaaagggtt 120
aaccagtcct cccagtcctat gctgaagttc ctttaagtga taggaggaac tcataatcta 180
caaggcaacc caatccattt ggtgctacca tcgattgtta taaagcccat ccttggttga 240
aaatctacta tttacagttg tatttaatga ccttaattct gccctcaagc tatataaaat 300
ttggakctgt kttctacatr ataatctttt agatawctta aggtagttag tctatcctct 360
cnacccttcc cctcacagtt ttccaccct ttggagataa atatccttcg ctattccaac 420
tattttctcat atggtatcat tttaatcatc ccnattgctc cctaaggatg ttaaactttg 480
ttnatgtccc ttccaaaatg t 501

```

```

<210> 1234
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

```

779

&lt;400&gt; 1234

```
cagccccggc gtccgccccg ctgccccctc ccccgggggc catggggggc cccccgggct 60
accggccctc agcttggttg catctcctcc accagctgcc ccgcgccgac ttccagctcc 120
gccccggtgcc cagcgttttc gcgccaaga gcaggaatac cagcaggcct tgttgctggt 180
ggcggccttg gcgggccttg gcttgggcct gagcctcatt ttcacgctg tctacctcat 240
ccgcttctgc tgctgccggc cccccgagcc ccccggtgcc aagatcccc cgccccgggg 300
aggctgcgtc acctggagct gattgtcccc ttntcgnccg ctgcactggc attggcatcg 360
g 361
```

&lt;210&gt; 1235

&lt;211&gt; 548

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (545)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (548)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1235

```
caaaaaaaaaat aaaaaagaac agccttttta ggccacagtg acctgcgcaa tgtttatatg 60
ctttgacctta ctaactttct cctaactaaa tatgtgatt taggagagtg tttaaataaa 120
ttacagtatg tctatatgat gaaatgttat ttggccatta aaattttgtt tacaaagata 180
atttttattg acataaaaat aactttaatg taattttatgt tgaaaaagct gaatacaagt 240
ctttatatag agtaatatat gagctgtgtt caaaaataca taggaaaaga ctgataaaat 300
gaaatatggc aaaatgttaa tagttttccc tggaatagga taataggcaa ttttaaaaca 360
gactccttta aaaaaacaaa caaacaaaaa aaacatagac ttctttatat cttttgagct 420
ccctcccttt tattatgtaa tgaatatgtg ttgcttttgt aataggaaaa taataaagtt 480
aaaatttcaa ctgcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaanccn 548
```

&lt;210&gt; 1236

&lt;211&gt; 866

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (212)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1236

```
tgagttcctg tgtgcctgtc acccagcccg gccacaagag gtgctggggg cagtgtccac 60
accccccttt cttaggacgc ctgagtctca gatgtgactt ataggggtatt tcttatggca 120
agacagttaa aacaaacttc agcgtctcgt ctgtccttct atggctgtgg cttctgatgt 180
tctaattggc ttctcgtcag ccggggctga gnaacaaaaa aacatagact gtggggctta 240
```

780

```

aacagcagaa acttacttcc catggttctg gaggttggga gtcttggatc accgtgtagc 300
atggtcaggt tcctggtgag ggtgggattc ctggctaacg taacgaaggc tccctctcct 360
gataccgtgt cactgggggt gaggcttcaa cacaggaatt ttggggggac acatcagcat 420
tactccatc acaggtggtt agccctttaa tccacgggaa ttttgttggg ggttgtgtga 480
gatacgggtc taacgttttc tttttcaa atcgtagccag ttgtcacatc atttattgaa 540
aaaggaatct tttctccacc gactgacatg aaatgctacc atcatcgtaa ataaaatttc 600
cgtaaatact tgctgtctct gctgtctcag tcctgactca cgggctgagt tctctttctg 660
cacagtagca ctggcattaa ctgtgacagc ttacacagcag gctccctccc cgaggccgtt 720
cagaagcatt cctcagcggg tcctacacgt ttctctctccc atgtcaagtt taggaagcag 780
tgtcaagacc cacagcagtc ctgcgggagt ttaagggat gcacggagtt tatggggaca 840
gtttgggraa attgacattc atgtgg                                     866

```

&lt;210&gt; 1237

&lt;211&gt; 799

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1237

```

gaaaagtgtg gaggctaggg caggcaggtt gttaggactg aaggtttgcc cattctgctg 60
cctccatctc agctccagct ccatccccct ctccacagaa agcagttggt gacacgaggt 120
tctatacttt tcttctgttg ctctcttgac ttaacgtgaa aacagggtat atttgaacaa 180
actgtctgtc ccaggcaggg gctgggcagg gcctgtgtgc cttgctcagc ctcttgacag 240
gacacttttg ttgcacttag aatttacatt ttaatggatg taaaaacaac tgtgagagat 300
gtctgggcct gcagaagtc agcattgtc aaaaaagcgt gtgttctagt gaacattttc 360
atatatatatt attggttata gcctgttaaa atattttctt ttttgtatta tttatcccc 420
tacattatgt atttatatga gggaaaaaaa ggaaaaaatt gtactttttt agtattttacc 480
tgttacaaag gacattgtgt ttctgtcat gtaaaaccag ctatttttagt tactattgta 540
ctctagaaaa gagctgtaga tttatgttaa actcgtactt acgaacaatt gtaattagtt 600
ctaaaaggca tgaatcagc tcctaactgt cactgtatag tcctgaattt gtagaactag 660
agttaattcc ctcttggaac tttctttgtt cttcagtagt tacttttttc cttacctaaa 720
agggttgtct gtcaaacaat tcttgaataa actttctgtt atcaatttta aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa                                     799

```

&lt;210&gt; 1238

&lt;211&gt; 719

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (537)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (593)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

781

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (646)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (672)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (675)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (700)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1238

```

ggtattactg gagaattgtc catatttaaat ataatttaac tgtctttctg aaagaataaa 60
gaagttttta tttttatttt ctttaggttag aacaaaaccg aataaaaacta cttaatgata 120
aagctgttgc tacatcacag cttcagaaaa aacttgggca gcttctttac ctaactaatt 180
tggagaagggt attgtttcta agacatgcta ctttttecta tgctgcatta tcataaacca 240
ctttagtgcac tcctttcata attaatgggtg caaattgttg taattagtat ttgggtgttat 300
atgagtcaag aacactacct atgtctctac aatagcttcr agatcacaaa agaattattgt 360
atctatagaa atttattatg cagatgatat agaaggcatg cactcgatag tagagaacaa 420
tgtaaatgga ctgtagttca aagccttgaa tagtaaaagt attaaaacat atctcgggtga 480
aactggcata atgcaattta tcacatgcat tcattcatca atacaaaaat atgggtgnaat 540
ttgggtatttg aaactgaagt gtgggttcgaa agctactaaa tcagagacat ggnaataaaa 600
ggagactcaa atattagtaa ntcaaaacac atgtctgggt atgacngaga ttatccggca 660
ctgggtgaatg gnggncattg ttaaaataat tcatttttgn cggaaaaatt tgtaattga 719

```

&lt;210&gt; 1239

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1239

```

agtctgcctc agcctcccaa agttataaga tttttttcct ctgggttttta gtaaattgttt 60
tttttgagat tgcttagcac cagaatgatt tgcaaatttg aaaataggaa ctccactagg 120
aatgccggat agaagagtg cttcacatttg tagagggaga caagaactaa atatcacgac 180
gtctttctga gccttttgggt ttgctaacgt gccccaaatt cttattccaa acggtataag 240
ataattatgt gtaaattgaat accagctcta cttagtttta tttcatattt gtgtatckga 300
tatattaaaa tatctttttt ttttttttga aaaaaaaaaa 339

```

&lt;210&gt; 1240

&lt;211&gt; 229



782

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (177)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (213)  
 <223> n equals a,t,g, or c

<400> 1240  
 gcaggcgtga gccactgagc ccagcctact tttmagtttt waacataatt tttgttttat 60  
 ccacaacttt tcaagtattg aaagtagaat aaaaacatgg gttcttagtc ttttgctatc 120  
 tgttgaagcc tatgaatgcc ttcttaaaat catgttttta aatgccttaa atatatngga 180  
 ttacaaagga atcttattat tcgaaatacg gtnttaaaat gtttaaaaa 229

<210> 1241  
 <211> 1075  
 <212> DNA  
 <213> Homo sapiens

<400> 1241  
 gccccagctc gtgccgaatt cggcacgagc agtttttaac ataatttttg ttttatccac 60  
 aacttttcaa gtattgaaag tagaataaaa acatgggttc ttagtcttta gctatctgtt 120  
 aaagcctatg aatgccttct taaaatcatg tttttaaatg cataaaatat ataggattac 180  
 aaaggaatct aattatatcg aaatacagtt attaaaatgt taaaagataa gtttgttata 240  
 tattaatatg catgcttctt tataaatgca ttaaataaga gttaatagct atcctaaatt 300  
 tgaaatagtg ataagcataa tgaaaataga tgcaaaaaac taatgtgata tgaaaatata 360  
 tgggtttttc ttttgatgat gaagtattgc taatattacc gtgggtttatg aactatgttc 420  
 agaattgaag aaaatcctaa ctttcagtta gaggttagtg acgggggttc ggacacccta 480  
 cacaaaatac agcactttga catattgaat attttaagct gaaggcattt gaggaaattg 540  
 cagaagcagg aaggtgactc tgaccttctg cctgctgttc tccccagaag cagccataaa 600  
 acctgggaag gattttctga ccttccccctg aagtagatca taagactgtc atgtaagagg 660  
 tgctctcctg gcacccagag aaaaggagca tccttacctc caaaagcaca gggacacaaa 720  
 gaggaatcta aacaaacagg cctctcagtt tccccagtt tattacattt agcttgttca 780  
 cactttgccc tatgacattt ctacatcact ggctgctctt catcaaacct actataaaaa 840  
 acattcaagt tcaactgttt ctttgggcct ttatttcctt atggagsccc tcgtgtcgtg 900  
 taaaacttat attaaataaa tgtgcatgct tttctcttgc taatctctct tttgttatag 960  
 agatctcagc cctaaacctt ggatggatag aaggaaacat atgttctccc ctacattagt 1020  
 aaaaataaaa atggaatttt ttacccataa aaaaaaaaaa aaaaaaaaaa aaaaa 1075

<210> 1242  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 1242  
 gatgggattg tacactttct ggttctctct caagtccaac cagtatgtgg taacctgtct 60

## 783

```

cttcccactt catttgtggc actgggtttgc agtggacaaa aggtccgtgc tcctcttcta 120
acctaactctg gactgggttg cccaaagggtt gccctgccac actgccaagt gcctaattag 180
ctgtttttctc tccaacccct ccaaacactt atcatgagta atttctcttg tctttakagt 240
tgccaaatst aatctctgta aatacaaatg tggtagagact tcttctcagg agtttcagca 300
aatgaaacaa taaactcttt tttaccctga aaaaaa 336

```

<210> 1243

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (752)

<223> n equals a,t,g, or c

<400> 1243

```

gggtcgaccc acgcgtccgg aatgttttgg tgaataaatc tgttcttcag caaccctacc 60
tgcttctcca aactgcctaa agagatccag tactgatgac gctgttcttc catctttact 120
ccctggaaac taaccacgtt gtcttctttc cttcaccacc acccaggagc tcagagatct 180
aagctgcttt ccatcttttc tcccagcccc aggacactga ctctgtacag gatggggccg 240
tcctcttgcc tccttctcat cctaattcccc cttctccagc tgatcaaccy ggggagtact 300
cagtgttcct tagactccgt tatggataag aagatcaagg atgttctcaa cagtctagag 360
tacagtccct ctctataaag caagaagctc tcgtgtgcta gtgtcaaaag ccaaggcaga 420
ccgtcctcct gccctgctgg gatggctgtc actggctgtg cttgtggcta tggctgtggt 480
tcgtgggatg ttcagctgga aaccacctgc cactgccagt gcagtgtggt ggactggacc 540
actgcccgtc gctgccacct gacctgacag ggaggaggct gagaactcag ttttgtgacc 600
atgacagtaa tgaaaccagg gtcccaacca agaaatctaa ctcaaacgtc ccacttcatt 660
tgttccattc ctgattcttg ggtaataaag acaaactttg tacctcaaaa aaaaaaaaaa 720
aaaactcgag ggggggcccc gaaacaaacn gn 752

```

<210> 1244

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1244

```

aaaattagac acactttaaa ccttcaaaca ggtattataa ataacatgtg actccttaat 60
ggacttattc tcagggtcct actctaagaa gaatctaata ggatgctggt tgtgtattaa 120
atgtgaaatt gcatagataa aggtagatgg taaagcaatt agtatcagaa tagagacaga 180
aagttacaac acagtttgta ctactctgag atggatccat tcagctcatg ccctcaatgt 240
ttatatgttg ttatctgttg ggtctgggac atttagttta gtttttttga agaattacaa 300
atcagaagaa aaagcaagca ttataaacia aactaataac tgttttactg ctttaagaaa 360
taacaattac aatgtgtatt atttaaaaat gggagaaata gtttgttcta tgaaataaac 420
ctagttttaga aataggggaag ctgagacatt ttaagatctc aagtttttat ttaactaata 480
ctcaaaatat ggacttttca tgtatgcata ggaagacac ttcacaaatt atgaatgatc 540

```

## 784

```

atgtgttgaa agccacatta ttttatgcta tacattctat gtatgagggtg ctacattttt 600
aggacaaaga attctgtaat ctttttcaag aaagagtctt tttctccttg acaaaatcca 660
gcttttgtat gaggactata ggggtgaattc tctgattagt aatttttagat atgtcctttc 720
ctaaaaatga ataaaattta tgaatatgac ttaaaaaaaa aaaa 764

```

```

<210> 1245
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 1245
ttttggtgat tccgtagtca actatcgtgt tgccttagct ctctttcaag tcacaaacac 60
agctggcctt aagtatttat ttaagcatct ttatatcctt gtttacttta aactccttga 120
attagccatg caataatttg ggtatgttgt attaagagct ctaccacatt atgggttcagt 180
cattgtataa ttaaacatga ggcacaaaga atcaaaagtt actgttttac ttgcctgctc 240
tctccattgt gtcattttac attttagtag tactgtgttt tgtttattaa aaaaagtaaa 300
tcaacatata ctatgagggtg gaaaatggta cagaggccaa atcattctag tccggagggtg 360
gcattttcc 368

```

```

<210> 1246
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 1246
ggcacgagga gaaaactacc tatgacagtg ccgaggagga aaataaagag aatttatatg 60
ctgggaaaaa tacaaaaatc aaaaggattt acaaaaactgt ggcagacagt gatgaaagtt 120
acatggaaaa gtctttgtat caggaaaatc ttgaagcgca agtgaaacct tgcttagagc 180
tgagtcttca gtctggaaac tctacagact ttaccactga cagaaagagt tccaaaaagc 240
acatacatga taaagaagga actgcaggaa aagcaaaagt aaaatcaaaa agaagacttg 300
agaaagagga gagaaaaatg gaaaaaatta gacagctaaa aaagaaggaa acaaaaaacc 360
aggaagatga tgtagaacag ccatttaatg acagtggctg tcttcttggtg gataaagacc 420
tttttgaaac tgggttggag gatgaaaata actctccatt ggaagatgaa gagtcattag 480
aatcaataag agcagctgta aaaaacaaag t 511

```

```

<210> 1247
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<400> 1247
cggaggaaca ggttctgaat gccgcgctca gggagaaatt ggctctcctt gccgcacatg 60
ctcgagcccc gcacccaaaag gtgatgggggt ctgggcgtgg ggcttcctcc atgtaccccc 120
ttaccgcgat ccttcctccc aaagtgtaac cttgcttttg gcccaacctc ccaacaggag 180
ccacctgggc ctggggccaga catgaccatc ttgtgtgacc cagaaacgct attttatgaa 240
tctccacacc tgaccttga cggctctgcc cctctccgac ttcaactccg gccccgccct 300
tcagaggaca ccttcctcat gcaccggaca ctgaggcgat gggaagcgta gaccccaaaag 360
atccctggag ggctagtctg tatttttgtg ttaaaactatt tgtagaata aagtaatttt 420
gctaataaaa a 431

```

```

<210> 1248

```

785

<211> 2058  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1962)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1964)  
<223> n equals a,t,g, or c

<400> 1248  
cccacgcgtc cgccccacgcg tccgccccacg cgtccggatt catctaaacc cattgtaaga 60  
gagtcattgga tgactgaact tcctccagaa atgaaagact ttgggtcttgg gccaaaggact 120  
tttaagagaa gagctgatga cacatctgga gatcgatcaa tctggacaga tactccagct 180  
gatagggaaa ggaaagctaa ggaaacacaa gaagcaagga agtcatccag taagaaagat 240  
gaagaacata tattatcagg aagagataag agactggctg agcagggtatc ttcatacaat 300  
gaatcaaaaa gatcagaatc tcttatggac atacatcata aaaagttaaa gagtaaggct 360  
gctgaagaca aaaataagcc tcaagagaga ataccatttg accgtgataa agatctcaag 420  
gttaatcggg ttgatgaagc tcagaaaaaa gccctaataa aaaaatctag agaactaaac 480  
accagatttt cacacggcaa aggcaatatg tttttataag gggatttccc tgtgcaatga 540  
agaaaaagttg aagaatactc tttgtccatc tttatttctt tgtttttggc ttcttaagat 600  
tagagattac tttaatctta aaaaacatac aaattttacct tgttctgtat gtccttttaa 660  
ggtcattgtg aaacataaaa cgaatgtttt ttatgtagaa cagaatattc tatgtgcctt 720  
tagcttctgt ggaagtatgg ggaattatgg gcttttcttc aaataattat tttaagaggc 780  
ttccattccc cctgattttt gtggtgtctc acaagtaccc tctaagggtc ggtcaggact 840  
gaccaccaa tctctaccac agcctggacc tccttgtgaa atatacctaa cctgccctag 900  
agtcagtgtg tcaagtcctt cctgtaaatc catgactttg aaatttggtg ttttttccct 960  
ttaaactgca gccagtgaat acaaatttac ttgaaaatag agggatggg gttttgcctg 1020  
ttttgtaatc agtttgcttg ttttagcact cagggtttt tatttgttat ttaatttttt 1080  
aattgttttt aagtcagaaa gatctctggg ttatctcatg tgctaaggaa aaactatttt 1140  
gctytttcca actttaatag ttagtatttc taggggaggc aatcaagata agatatgcca 1200  
ttaactgtta gcattgtgaa atctgtaaga ctcaatctct gatctcaacc aaagctttct 1260  
gagtcctgga actttgcttt gggacaactt tactttaccc atttatatgc tgtacttaac 1320  
agttttagc taatttatgg ggtcatatct ttttttagc taatttacgg gggtcatatc 1380  
agtcattgaat agcctttttt aaaaatttaa taatccctga atacaaaaat ggaaatggaa 1440  
aatttataat cataaccccc ctaattggga gtattataag tttgtaatgc tttaagcact 1500  
gcctcttaag atgataaatt tataagatga gaaattctat ttaaaactatt aaactattgt 1560  
taaataaatg ccaattctat aagttatatt ttcttgcaga ttaatcccaa ttgttccact 1620  
agtattctag ttttgaagag actggctgag caggatctct catacaatga atcaaaaaaga 1680  
tcagaatctc ttatggacat acatcataaa aagttaaaga gtaaggctgc tgaagacaaa 1740  
aataagcctc aagagagaat accatttgac cgtgataaag atctcaagggt taatcgggtt 1800  
gatgaagctc agaaaaaagc cctaataaaa aaatctagrg aactaaacac cagattttca 1860  
cacgggcaaa ggcaatatgt ttttattaag gggrrttccc tgtgcattga aggaaagttg 1920  
aagrattact ctttgtccat ctttatttct ttgtttttgg gntntttagg tttgggggta 1980  
ctttatctta aaaaacatac aattttaccct gttctgtatg gtccttttagg gtcagtggga 2040  
acataaacgg atgttttt 2058

786

<210> 1249  
 <211> 943  
 <212> DNA  
 <213> Homo sapiens

<400> 1249  
 ctgcattctc tcggaagtca caccttatac cacatcaaag gacacatacg ggtgagaaac 60  
 cctatggatg cagtgaatgt aggaaggcct tctctcagaa gtcacagctg gttaatcatc 120  
 agagaattca tacaggagag aagccttatac gatgcattga mtgtgggaaa gctttctcac 180  
 agaagtcaca gtcacatcaat catcagagaa ctcatacagt aaaaaaatcc taggaataca 240  
 gttaatagta gtctttgaca gatcatcttg gacttcagga aatgcaatta tgataacggt 300  
 tgtagacagt cacgtcatgt taggtgtctg tactccatga ggatgagAAC tctaataagg 360  
 tgggtgatgg aaagccgatc ataattcmta grgtagagkg aacctwtgac tgcagtggat 420  
 ctcaaaaact tttaaaacca tagacaagcc ttatagagta gaacattcac agcaaagaag 480  
 aatcctgtga atgtccaaaa gccttccaga agtcaagtct cttaaagctat tagaaatatt 540  
 cccactgggg atgaggggaaa accccatgaa tgcgggaaat gagggcaatat ttttaagaaa 600  
 tgacagttca ttgtacataa gaaaatgctc ttaggaatga agttctatga aagtactaaa 660  
 tatgggacag tgcaacaagt aaccagacta ttttgtattt tggagaattc atattatgga 720  
 gaacctaaca atttaaagac actgggaaca cttgccccctc agtatagtac tgtcaaggga 780  
 agccatacac tttttgtaga catgggtacc aaaaataccc aattctaagt ggttgacaga 840  
 tgttcacttt gaagtgtgaa gttttaaaaa tacgtgaata aattgggttat tgaaacatct 900  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aag 943

<210> 1250  
 <211> 2231  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (53)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (581)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1918)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2204)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2214)

787

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1250

```

gcgggccgcca agcgatccct gctccgcgcg acactgctgt cccgcgcaca gangaggcgg 60
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tggcgccagg aggcaggttg ctgtgtttgt gcttccttct acagccaata tgaaaaggcc 180
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aattgcacag a 2231

```

&lt;210&gt; 1251

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

&lt;223&gt; n equals a,t,g, or c

788

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<400> 1251  
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tccacggatg taaccacagc acacgcgtgg ctcacggtac tagtgtgata aatgcttggt 120  
acatgaaggc gtgaacaggg atgagaagag acttcctgga gaaacaaaag gactaacaat 180  
caggaagggg aggtgatcgg ggcaggagta aagtggacac ctcagcaaag ccattcgctg 240  
tgatctctga ttgtgcagtg tcatgtcctg tncaccagag cccctcgtg tttgatgttg 300  
gccaatgccg ccagcatgat ctacgaggcc aawtcctwat ytaccattct yttgacacca 360  
gctgggtccct gggttcgtnc cacccgatgt tccnctttt tccccatttg gg 412

<210> 1252  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<400> 1252  
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aaggacattt ctttggtcag gaattgacaa gaatgagccc agagtcaccc accccaaggg 180  
tgtgtggcaa ccatcccttg ctcaacaccg aaagctgtag aatcatagtg gggaaagaag 240  
caacttcttc agaagcagtt gtctaagtag cacagcttgg aaagaccttg gttcttctgg 300  
atcatcactg gggggatatt tcgcanaaca agaaattgca tgccccgtcc atcatgttcc 360  
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<210> 1253  
<211> 2735  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

789

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1253

```

cagtttttaa atgggatttt gagaatggac ttaactttcc tggaatccaa tgctcctgga 60
gatttatgac tttnccagcc atcagccagc tatctagaga agatttttgt ttttcttttg 120
caacagtttc ttcagtcaac tcattcactt tcaaatagga gcagcacttt gaaatccttt 180
ttcttctactg tggattaaaa acatccaaga agccatctct gtcaagcaga attgtcatct 240
gtggtaataa gtgaccatgt cctaaatacc tttttcttag tgaggagtgt gtcattgtct 300
ttgggcatct gcaacccctg ttcaggcatg tgacctgcta aagaaataca gcctacacta 360
ccttgactac tggggaaaaat gatacttcgt aaaatgtaat aaggcaacct gttccttggc 420
ctttatctta tgttttccaa ctattactgt atctgttatt ggtctactat tacaggatga 480
ttcttcttcc tccattgac tcaactaaat atgaattagg gtcattgcatg aaatctgaac 540
tgccgtgtcc tgagttatgg ttaagaggta tgtgttgcca ccccatgcat gtcttcccca 600
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tacttcctca acaccaattc agaggcaaca cctgtgcac tgtcccacca aagggtgctt 720
aatacctacc ttcactattt gagaaaggac actcacagtt gcctgtgggt tatgaaagaa 780
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790

<210> 1254  
 <211> 693  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (609)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (651)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (682)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (683)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (692)  
 <223> n equals a,t,g, or c

<400> 1254  
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 tttaagaccc cggataagaa aatgaggggca aaagaggtga agtgacttgt ccaagatcaa 120  
 cagtgaatta ttagttggaa cgccagcctg atactcctag ctatatctca ctggaaaagc 180  
 attggagaaa atgaaacat tttaatatc taagcttaaa taatagttat tataggcgtg 240  
 agccaccatg cccgaccagt ttctgctttt attaaaattg ttcacagttt tatacattca 300  
 tgttcattaa aaatgctatt tagaaaagag ttgataaaaa taaatattat wcaaaattcg 360  
 aagaaaaaag aawagagttt ctgtttcagt cacaaattag ggttattgtg atgtgtattt 420  
 atgatgaccg ttgaacaaat gtgaagaata ctgtgaattc tatgacttta tcaaaatcag 480  
 ccacatccag gagcttgacg ttgttgacca aatgaatgat gacatagagt agttcagatc 540  
 tatcatgtgc tcttctatct aatcagtc aaatttccttg gccctcaagc caacattcat 600  
 tttttatgna taccttcttc atgattttga aattttgata ggggtaactg nttaatggag 660  
 ttcccaaagt gtagcacttt ttnaaccga ant 693

<210> 1255  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 1255  
 gctgtgtcca tgatgctttt aataaaaaa acccccactg cagtctcacc ctccaagtgg 60

791

```

gtgtgggagg cggggtggc cagcagaagc cccaggcct ggactccatc catctgctca 120
gacaacagca gggagagcgg ggggtccaggt ggggcagctc cctcccttcc acccctctcc 180
gccccctctg aggccccatc aggagcagga cccctgtgcc tccgtggtct tgccctgttt 240
gcaggcagca tgtggccctg cagtcaacac gcctggagac accacgagtc ctggcggcct 300
gtgtgcaraa aggcacctac ggcycctggaa gcccagttgc ggaaggagggt tgggggaggg 360
acgccgggag ggaggtcatg cagcctctgt gggcagcacc accctgacgg tgccctggag 420
gtggctgtca cctgaccgtg ggcagaccca cagagcaagg cc 462

```

&lt;210&gt; 1256

&lt;211&gt; 1037

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1256

```

gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
cggacgcgtg gggcaagact tttgcccgt acctttcatt ccggcgtgac aacaatgagc 120
tgttgctctt catactgaag cagttagtgg cagagcaggt gacatatcag cgcaaccgct 180
ttggggccca gcaggacact attgaggtcc ctgagaagga cttggtggat aaggctcgtc 240
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taaggattcc ttgggattct ggtttggggg ggtcagtgcc ctctgtgctt tatggacaca 420
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cgttctgggc tctcagtcg caggggtggg atgtgagtca tgccgattat cactcgcca 900
cagttatcag ctgccattgc tccctgtctg tttccccact ctcttatttg tgcatcgggt 960
ttggtttctg tagttttaat ttttaataaa gttgaataaa atataaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaa 1037

```

&lt;210&gt; 1257

&lt;211&gt; 1271

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1257

```

ttcagtcaac attcacgtct tgcagtgcat cggagaattc atactggaga gaaaccttac 60
aaatgcaaag aatgtggcaa ggtcttcagt gaccgttcag cttttgcaag gcatcggaga 120
attcactactg gagagaagcc ttacaaatgc aaagaatgtg gcaaggctct cagtcaatgt 180
tcacgtctta cagtgcactc gagaattcat agtggagaga aaccttaca atgcaatgaa 240
tgccggcaagg tctacagtca gtattcacat cttgtagggc atcgaagagt tcatactgga 300
gagaaacat acaaatgtca tgaatgtggc aaagcnttta atcagggctc cactactcaat 360
agacatcaga gaattcatac cggagagaaa ccttacaaat gcaatcagtg tgggaattcc 420

```

792

```

tttagtcagc gtgtccatct tagacttcat cagactgttc atactggaga cagaccttac 480
aaatgtaatg agtgtgggca aaacctttta aacggagctc aaacctcact gcacatcagr 540
taattcatgc aggaaagaaa ccatataaat gtgatgaatg tggcaaggta ttcaggcata 600
gttcacatct tgtaagtcac cagagaatcc acactggaga gaaaagatac aaatgtattg 660
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gcaaaaaacc ttataaatgt aatgagtgtg ggaaatcttt tatttgtcgc tcaggcctca 780
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accatgtttt catttaagcc ttcagaaata tgagccaatt aaactctttt ctttatacat 1260
taaaaaaaaaa a 1271

```

&lt;210&gt; 1258

&lt;211&gt; 849

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (806)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1258

```

ggtccgcgcc ctgtcgggct gagcgagttg gcccacagag ccggcgcgct cccgcctgca 60
gggggagagc agacggggcg ggggacggcc aggcgcggcg ggtgctgttt ctgtttcact 120
ttccttcaact ctgaggccgg cgcgctggcg ggcgaggagc ggcggcgggtg gcgctgkaca 180
tgggaaagcg gaaccaccaa aaggagtgat gatcaacgat ctcatgataa atctggatgc 240
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catgagacaa atccattaga aatgttgagg ttggacaata cattagagga aattatattt 600
aagctgggtc ctggactacg rgaacaagaa cttgagcgtg aatctgaatt ttggaagraa 660
aataagcctc aagraaatgg acaagatgat acttcaaaag ctgacaaacc gaaagtagat 720
gaagaagggt atgaaaatga agatgataaa gattatccac aggaagtgac ccacaaattg 780
gctatctgtc taggttgttt tacggnatta atggggccat tcggggggaca tgttggtaaa 840
gggttttaa 849

```

&lt;210&gt; 1259

&lt;211&gt; 622

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1259

```

ggaatttggc ccatccaaag actggccaag tgccaaaaaa aggcctgatt aggccttgaa 60
attcagtga attctgcctg aagaaacctc ttattgaatt tgaaaaccat aaaccatttc 120

```

## 793

```

aggtgagctt atggggtttgt tttggggtttt tttttttttt ttttaagtctc tggcccaatg 180
tacgtgggat tagattctgc aagcaggcag cagtaagtat aagctaattt ctgtctataa 240
aaagaatgat taaaaaaaaat ctttttggtg atgtgtggaa tagagattat cacacacatc 300
attaagtggg aatgtgatga atgatacaaa aacgaacagt cttataccca gcacacagat 360
cagaacaaag taactatcaa gcaccttcaa tgccccctc akgcctcttc ggattawtaw 420
tgcawccttc ctatagagag gtaagcacct cttgattatc agcaccatgg gagatgtttg 480
tctgattttg aacttctgta aatgaaatca tatagtatat actctttgga atctgttgtc 540
ttttgtagag ggaacttttt cattataaat cttatagtag tgttgttcct tcttcccatc 600
aacagtgttc ttttacttaa aa 622

```

<210> 1260

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 1260

```

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caggcctggn tccgagatga gcgagacgct gctctggctc gcggtegecc gagcgctccc 120
aaaaccaggg aacaggcccc aggagagaag cccctagaag tttcctggag cagggagtct 180
cctgtatcct gttagctctg caaaggaatc tggactttat tctgagggcc ttggagaacc 240
cctgcaaagt tttttaaaag gtggactaag agattggcat ttcacaacat gactctccga 300
attgaaacac taagaagatt ggcgaaatth aacattttaca gattagtaat ttaaccagg 360
tgactcgcca tgaggacat ggctaccctt cactttttgga gggagtthta agtgatacag 420
atctttttgc caagcaatth tttttttttt tttgagacgg agcgtntttn t 471

```

<210> 1261

<211> 647

<212> DNA

<213> Homo sapiens

<220>

794

<221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (636)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (644)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (647)  
 <223> n equals a,t,g, or c

<400> 1261  
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 tgaaatgtgc atttgtcatc cccactccat caatccctga ccatgtaagg cttttttatt 120  
 ttaaaaaaac agagttatcc caatacatta tcctgtgatt taccttacct acaaaagtgg 180  
 ctctgttttg tttgatgatg attgggttta tttttgaaat atttattaag ggaaaactaa 240  
 gttactgaat gaaggaacct ctttcttaca aaacaaaaaa aagggcagaa atcaccccaa 300  
 ggaacgattt ctcaggttga gatgatcacc gtgaatccgg cttcctctga gcattcgatg 360  
 gccttagcac ctcacaaagc cagcacatcc tgccctgtgt tgcagcctgg ctgggtttat 420  
 tcttcagtta ccctaataccc atgatgcctg gaaccttgat taccgtttta catcagctct 480  
 tgtacttttc agtatatttt cataatgagt tatattgtca tttagacttt gaacagctct 540  
 gggaaataga agactagggt tgtttcttaa atttagctca tgttataata aaaagttgaa 600  
 atgaaaaaaa aaaaaaaggg gggccgcctt aaaggnccaa gttncgn 647

<210> 1262  
 <211> 836  
 <212> DNA  
 <213> Homo sapiens

<400> 1262  
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 agcaggaggt agagagggga aggtgccaca cacttacaaa caaccagatc tcaggacaac 120  
 tcaactagta tcaggagaac agcaccacaa aattgtgggt aatcattcat gagaagcctc 180  
 ccacgaccca atcacctccc accaggcctt acctccaaca tctgggatta caattcaaca 240  
 tgagatttgg tgggaacaca gatccaaacc atatcacgca caaattgcaa ttacttcaca 300  
 ctcacgataa cccattaatc tgtgaaggat taatctgttc atgaaggcag ggccctcatg 360  
 atggaatcac atcttaaagc ccctacgtct gagtactgtt acattgggga tttagtttta 420  
 atatgatatt cagagcagaa aaacattcaa accatagcaa tatgtattga atatctagat 480  
 catttccaaa taagatatata atatgatact gaaacattta ttgctgaaca taaatttaga 540  
 acttactttg cctacctatt acagaagaac aaaagatatt tgggcctatt aaacctttcc 600  
 tctgccattt cctgtcctgt gtcataaggac taggaatcgt gtttctagaa agtatgaaat 660  
 cgtgtgcttg cmaacttgga agaaaacagt tcatgactgc ataccttcta gttctctagt 720  
 gttcactgga aattaaagac actaaaagtt aacaattctt attaattaat catattaatg 780

## 795

taattggaat ttctagaaat attaggggaa gcaactttat acgcaaagca taacag 836

<210> 1263

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1263

aattcggcag aggcaaacat taagaaaaaa ggaatatatt agaataaaat agaaaaagtt 60  
 aaagggcatc acacaaaatt agtctaggta ttattccgaa gcttgcattt tatatgcac 120  
 tgggcatgta ctgagctgtg aggtgagatg catctcttac tgtgggctcc aatcaaagtt 180  
 ttaaaaacay cattttaagt tatgttcagt gggtactgaa tcttttacat aatttagttc 240  
 tctcttgaat cttcttgtcg tcatagraaa tgtcctatat cmatttttac agctwtaacc 300  
 atctgatctt ca 312

<210> 1264

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1264

ggagctgact ctgcctgtcc agggcctgca aagtggctga gctcccttcg ggcccatggt 60  
 gtgcgcactg gcattggaca agcccgggca aaactctttg agaagcagat tgttcagcat 120  
 ggcggccagc tatgccctgc ccagggccca ggtgtcactc acattgtggt ggatgaagca 180  
 tggactatga 190

<210> 1265

<211> 571

<212> DNA

<213> Homo sapiens

<400> 1265

accagtctcg cgacactttc cttggccatg ggagacacac gagaagagac tctcgcaaga 60  
 aagtaaatga gtcaggctgg aaacagcgaa gtatatctcg cgatacacgt gtttaaaatg 120  
 gcggcttcaa ggcgtttcac ggggtgtccc gacaggcgtg gaggtggggc gcaggcgagg 180  
 atgaagcttg agttggccag gagtccgaaa acgattgcag gcgggaccgc gtcggtcggg 240  
 gctgaggaaa cttagcgtgg cagaccctaa actgggataa ctttagggat atggccttct 300  
 tttcccagtt gcctcaaact tagagcagcg tcgtcttttag ccgaagattc attttcccag 360  
 cattttcctt ctccaggcgg agtagttgga gacagagggc aagccagaaa ctgaccttcc 420  
 catctcctca ttcccttcca tcaagaactt ttcctcgttc tttcccacc ctggtttgta 480  
 aatgggtattt ggcttcataa aaacgtttgt ccacaggtgc cctgctccat cagttcgctc 540  
 cagcaatata ggaagttacc aaaaaaaaaa a 571

<210> 1266

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1345)

796

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1440)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1266

```

ggcgggcccc tgaaagactg cgagtacagc cagatcagca cccacagctc ctcccccatg 60
gagtcgcccc acaagaagaa gaaaatcgcg gcccggagga aatgggaggt gttccccgga 120
agaaacaagt tcttctgtaa cgggaggatc atgatggccc ggcagacggg cgtcttctac 180
ctgacgctcg tctcctcctt ggctcactagc ggactcttct tgccttcga ctgtccgtac 240
ctggcggtga aaatcacccc tgccatccct gcagtcgctg gcctcctgtt cttctttgtg 300
atggggaccc tgctccgcac cagcttcagc gaccccgag tctctccacg agccacrcct 360
gatgaagccg ccgatctgga aaggcaaata gatatcgcaa acggcaccag ttcagggggg 420
taccgccccg ctcccagaac caaagaagtc atcatcaatg gccagaccgt gaaacttaaa 480
tactgtttca cctgcaagat tttccggccc cctcgcgctt cccattgcag cttttgtgat 540
aactgcgtag aacggtttga tcaccactgt ccctgggtag gcaactgtgt ggggaaaaga 600
aactacagat ttttttatat gtttatttta tctctgtctt ttctgacagt ctttatattt 660
gcattcggtt tcacccacgt cattcttcgt tcacagcaaa caggattcct aaatgccctt 720
aaggacagtc ctgcaagcgt cctggaggct gtggtgtgct tcttctctgt ctgggtccatc 780
gttggcctct caggattcca cactacttg atcagctcca accagacaac aaatgaggac 840
attaaaggat cctggtcaaa taaaagaggt aaagaaaatt acaatcccta cagctacgga 900
aatatcttta ccaactgctg tgttgccctg tgtgggcat ctcaccaagc ctgatcgaca 960
gaagagggta catccagccc gacacgccgc agccagcagc accctccaat ggcacaccca 1020
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atgccccgga aagatgagca catggggccac cagttcctga cgcccgatga ggcgccctcg 1320
ccccaggct actggcggcg gcagnccctt ggcgcacaag ccgaccatgc acgtgctggg 1380
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atggccaggc cgggggaaacc aaaggctctt atgg 1474

```

&lt;210&gt; 1267

&lt;211&gt; 1405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1267

```

gtgtatttta caattttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60

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797

```

cagggtatcc cttctccctc ccttgtcagc cttccttcc tctttgaaag gagaagtcac 120
acgttaagta gatctacaac tcatttgata tgaagcgta ccaaatctt aaattataga 180
aatgtataga cacctcatat tcaaataaga aactgactta aatggacttt gtaattagca 240
cttgggtgaaa gctggaagga agataaataa cactaaacta tgctatttga ttttcttct 300
tgaaagagta aggtttacct gttacatttt caagttaatt catgtaaaaa atgatagtga 360
ttttgatgta atttatctct tgtttgaatc tgtcattcaa aggccaataa ttttaagttgc 420
tatcagctga tattagtagc tttgcaaccc tgatagagta aataaatttt atgggygggt 480
gccaaatact gctgtgaatc tatttgtata gtatccatga atgaatttat ggaaatagat 540
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catagaattc tgattaaata gtgggtctgt ttcacatgtg cagtttgaag tatttaaata 660
accactcctt tcacagttta ttttcttctc aagcgttttc aagatctagc atgtggatttt 720
taaaagattt gccctcatta acaagaataa catttaaagg agattgtttc aaaatatttt 780
tgcaaattga gataaggaca gaaagattga gaaacattgt atattttgca aaaacaagat 840
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tctttgttac attttaaaag caattgtatt agtaagaact ttgtaaataa atacctaaaa 1380
cccaagtgtg aaaaaaaaaa aaaaaa 1405

```

&lt;210&gt; 1268

&lt;211&gt; 1453

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1452)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1268

```

aaaaagaaa gaaagaaaag gtacatgtat atatttgtcc tgcattatgt tttttacttg 60
atataaatgt atttttactg tgatagtcca agtgccctgg ggggcagggtg tgctctatgt 120
ggttcttctt ccattggaga gctggcgtag agatctgcag tgttcacaag gatgttggtt 180
tggagatgtc tgctgctagg acctgggggtg tgtgactcag tccatatgag agggacatct 240
gggtggagga gtaaattcct gtgctctgaa atgccacttg gtagctctgg acaatgaagg 300
acaattgact caaggggtgcc tggcttctgc tgctgctggg aaaaaattca gtttatagca 360
ttcctgcacc tcccaaagta gataacctgg aggtcattca gtttaacaact gtccctgagg 420
actcagtttt gggggaggggg ttatctggga gaagctttag cctgttctga gccattagga 480
gacattagtg aattggagca ctggagaatc ctacaaatgg cctatgtctc agaagagctg 540
ggacctcctt ccagctgctg cagatgctga caggccctgg gaggtgctg tgctctggag 600
aagctggagc agctcatttc ttggcctagc ctggctgctc cagaaagagc agtcaggact 660
tgagggaagc atcaaattct ataccataa actgcagttg gaagtcagct ttttgaaatg 720
tccagccttt gcccaattgt ttcagatcat ctcatctc aggttttggc aggtatcctg 780
ccctccatct tattccagtg tgttcacctc atcaaggcag cagagtggat gaaggagtaa 840
gtctgccctt tgccatactg aacagctgtg gaccccgatt ggtgagggct ctgcatatgc 900
ctgtatgaag gagatacagg tgtgtgtgca catgccggta tgaagaagac acaggcatgt 960

```



798

```

gcttctcagt tttgctaaca gtgggagctc aacggggcag agggaggaag gtccatgatg 1020
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cacccttctc ccagtcacct ttttttcttt ttctagaact actaattatc tctcaaggct 1140
gaaaaattaa ttgccttagg tggagaactt aattcctagt atccaccaa cttactccg 1200
tatctccata tgggtgtctcc atatctactg tgtgagctac ttaactgacg ccctcttctc 1260
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tttgggactt ttgaatttct ttggtttcgt ttttaagaag taaccaaca tttctacaa 1380
cactaaataa aatgggtactt acctttcaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa ana 1453

```

&lt;210&gt; 1269

&lt;211&gt; 1353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1269

```

ggacccacgc gtccgattat ggtaaacatt ttaaattctta ggctgttggt taaatttaat 60
ggttttaagca ctgttgggtt ctctttaatt aatatttgca gaaggagaac atatgtgttt 120
cactgatatg tatggtccag aaaaattact taattctcaa aaatatgttg cattctcata 180
ttgtgttagg gaaaattcca taagtagtct attttttttt tttcttttgc tgactgttaa 240
catccaaaca cctgaatgaa aactgactca tttctgtatt ggtgttttaa aatattgatt 300
tgcagatgtt cacagaacac ttgcattttt tgattcacat tgctaaatca aatgtaaagg 360
caaatatgta tatttaataa atgagaagta tttttttatt actgaaattt attctcaaag 420
caaagtattt ttgtagatgk ttcatttggg agattttgct ttgccttaa acatacmaa 480
taaacctgtc ttgtggtctg ccacacctca aacctctgtt aacttgacat gtagaaggag 540
ttcagaattc tttgataatg tgtggttttc acttttgttt ggattaaaca aaaataaaat 600
tagagtccat agcactttgt aaactaatgt gaagtttctt gttgaatcat aaaagctacc 660
tgtatgtact ttataattta atgttctgtt agtaaaaatt gtcagcattt tatctttttc 720
tcttctcatt acatttttagt ctccaatctt tcccactctc agcagtcaca gttttgcaga 780
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catccatctg ctgatcaagg aggcattgga tctggtacta gaagggtgaa ttgattgtag 900
ctatcaaagc attttatcaa tgtaagtcaa gaaaaagaa gaaaactgtg aacctctgat 960
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aattcctgta gctgttttt accattagga tgtttttgaa aacagatgtc atcttagaaa 1140
ttatattttt aagtgcaaat aaatcatcct gacttgaaag tcaacacatt ttatttttca 1200
ttcgttagta tcacagaata tgctgcattt agatacagg ttaatttgcc agattttctc 1260
aaaattctgt atttttatat tgctacaact ggtttactta acatgcaatt gaattgttat 1320
ttaaataaat tacatttgat ggaaaaaaaa aaa 1353

```

&lt;210&gt; 1270

&lt;211&gt; 1569

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1270

```

acctattcaa aattttatta aaaaccagca aattaatttt aatctctagc cataaaaaaca 60
taagtaatag taagctccta agcttggaca agggtggat tctcttccat ataactgagt 120
ggtaatttaa agacaacaat ttaatgtcac taattttcaa aattaaatag tttaagctca 180
atttaatttt gctagatatt taacaaaaca tacggctcaa cctcataacc tatatgtgtg 240
tatgtctaca tctgtgtata tatcatagga tttgagaatc ttaacacatg tataaataag 300

```

799

```

tatatataaa ctccaatttt aaatcttaaa attgctgaat ttaccctcat attctttaaa 360
aaacttaaaag cattatgaat gtwgagaaat tcaccagagc tcaactgccta tttgatggct 420
gtaacaagtc ttcaagtata tactttttata ataagttgaa aatttcatat aattttattt 480
attaagaatt ccaatctaag tataaaaggta caaggtagtg agaaggaaat actacagttc 540
ggagaactgc ttattttcaa gtatatattaa cttataaagt taataaatag tttaatgaaa 600
caaagtttat aggtgacctt tagtaaatgg ggaaattaac aggactttct tcttcattct 660
caaactcttc agaagcagca acagggctag ttaattcaac tccaattgt tctgaaagt 720
tttttacctt ctcttctaag agaataattct tcttcacttc ttccttgtaa ttatacttaa 780
gatcttcaat ttcttcaaaa aatgaaggat caaaattttc cagttctttt ttcagcttct 840
ttatttcctc cttcaaatgc tgcttttcta gatctgacat tttgagctgt gtctctagat 900
cttttatttt ttcttttagt tgatcagcat caggtatggg gctttcagct ccactttggg 960
ccttgttagc ttctatctga tggattaatt ctgctttctc tttatccagc tgatgattag 1020
ctaactaag aacttgaagc tcccgtttta ggcccttgctc tgtctcagca ccttcaggaa 1080
catgtttaag aatcttaatc tgttgttcaa ggtcttcatt gtatttgtaa actttttgtt 1140
ctctctctgt tgcttctttt acaagctgtt taaggctcagt aatgctttga ttttttttgg 1200
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cattttcagc aataattttt tctgtgcctt tggctctgga ttcatagtgc atgctcaact 1500
gatgcccaag atgagcttta agtttttcta attcagcctt caatttttca ttttctctgt 1560
caatattag                                     1569

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&lt;210&gt; 1271

&lt;211&gt; 573

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1271

```

cagttgaata catcatccac aaaccaccaa ttgccttctg aacatcagac cataactaagt 60
tctagggact ccagaaattc ttttaagatca aatttttctt caagagaatc agaattcttc 120
cgaagcaata cgcagcctgg attttcttac agttcaagta gagatgaagc cccaatcata 180
agcaattcag aaagggttgt ttcatctcaa agaccatttc aagaatcttc tgacaatgaa 240
ggtaggcgga caacgaggag attgctgtca cgcatagctt ctagcatgtc atctactttt 300
ttttcacgaa gatctagtca ggattccttg aatacaagat cattgaattc tgaaaattct 360
tacgtttctc caagaatctt gacagcttca cagtcccgtg gtaatgtacc atcagcttct 420
gaagttcccg ataatagggc atctgaagct tctcagggat ttagatttct taggcgaaga 480
tggggtttgt catctcttag ccacaatcat agctctgagt cagattcaga aaattttaac 540
caagaatctg aaggtagaaa tacaggacca tgg                                     573

```

&lt;210&gt; 1272

&lt;211&gt; 782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1272

## 800

```

gcaacaaatg attctgaggc ttgatggctg tctanactta ctaacagaga tgagcaaata 60
caagcacaag agcagccctt tattgcctct tcttatcttt cataatgttt gcttcagtcc 120
tgcaaataaa cccaagatcc tggctaataa aaaaagtcac tactgtgctt gctgcctgtc 180
tggaaagtga gaatcaaaat gctcagagga ttggagcagc tkccctttgg gctctgattt 240
acaattatca gaaggcaaaa acagctttga aaagcccatc agtaaaaaga agagtggatg 300
aagcatactc cttagcaaaag aaaactttcc caaactcaga agcaaaccct ctaaattgcct 360
attatattgaa atgtcttgaa aacctcgtgc agctccttaa ttcttccctg agtgcccatg 420
ggatgcctac accttgaagc tgacagtcac caacagggga gctaaagtgt aagcccagct 480
gtgtgtagca gctgttacct gaagacgtgc tacctctcta caaagtgttg atccccctct 540
ttcccatgag agagagaact ggtgatactc caacaccgtc cagttgtggc agctctccag 600
aagtaatagc agctgacaac tttctgtgcc ttttcttttc tgttgaaaag gcatagaaaag 660
ttctgggaac ataaacattt ttaccctttt ctatgccatt tattttgtaa aaatcctatt 720
taacagttat ttaataaaaac aatattttta gaaamwaaaa aaaaaaaat tactgcggtc 780
cg 782

```

&lt;210&gt; 1273

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1273

```

gctgaaccac ctccaaaacg catcractcc cggatattca aagctgccct ttcaaatacca 60
ctttcagacc gcgctgacct gggccagcca ctggsggtca tggttgctgg tgggggcgat 120
tagctgtgta gaccacagg tgctgggcc tgggcccgcg gcgcctctc mccaacgcgg 180
ggagcctgcc cagttcttct ggagcctgaa atgcgtgccc ctcttggttg cccgctctcc 240
acagtgggga gggctcacga ggactaggtg acacaagcga gccctcctg gcat 294

```

&lt;210&gt; 1274

&lt;211&gt; 687

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1274

```

gctcgacagg taaaatccct acgtgatcct tctgccaaaa tgtcgaaatc agaccctgac 60
aaactggcca ccgtccgaat aacagacagc ccagaggaga tagtgcagaa attccgcaag 120
gctgtracag acttcacctc ggaggtcacc tatgaccgcg ctggccgcgc tggcgtgtcc 180
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gtttgcccc aattaagcgtg aaattgaaaa actgaagctg gacaaggacc atttagagaa 360
ggttttacaa attggatcag caaaagccaa agaattagca tacactgtgt gccaggaggt 420
gaagaaattg gtgggttttc tataggaagt ttcaacgaat cacagcaagg cttttgtgcc 480

```

## 801

```

ttgcactcca tgcattctga taacggcagc tttcctaaaa agaaaaagtt atagttttgg 540
gacatttaat ttggtatagc tgattattgg ctttatttga tgaatattgc tttgtagctt 600
tgaaatacga cagtgttcca aatcccatca acaaaatgct gtgaacaaca acaacaaaaa 660
ataaatcaag aaggcatarm aaaaaaa 687

```

&lt;210&gt; 1275

&lt;211&gt; 818

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1275

```

gaattcggca cgagaaaaag ccataataca agactctaaa gatctggaat gaaacctaata 60
aagagactgg taggtcaaat gagagcaaag catttgaatt tgactggatt gttttctcac 120
tggaatatag gattctatga gttcatcatt aacacatttt ttgactggaa aactgctata 180
ggatcccagg gaggactaaa tttgaacaga ggaagtggac agtggtgcag tctctgttct 240
agctcttggg tctagaatag gagagttaag agcaccaatt tgggatgaag aaagcagaaa 300
gcaattatcg atatcaatca agagagcaga acagcctctc tccctccatc ctcctctctg 360
cctcttctcc ctctctctct ctctgcttct ctttactctt gtgtatgtta gctttggccc 420
cattccataa gccgagataa aaatgctagg catgataaat ttgtgactgt tactaacatt 480
taggattttt tttttgagat ggagtttcac tcatgttgca gtgagctgag attgtaccat 540
tgcactccag cctgggcaac agagcgagag tctgtctcaa acaaacaaaac aaaaaacaa 600
atgccacgtc aacatcagga cgttaacctt tagacctat atgggtctaaa aaggggaggc 660
atgaataatc cacccttgtt ttagcatatc atcaagaaat aaccataaaa atgggcaacc 720
agcagccctg ccctgtctat ggagtagcca ttcttttatt ccttttagttt cttataaat 780
ttgctttcac tgtaaaaaaaa aaaaaaaaaa aaactcga 818

```

&lt;210&gt; 1276

&lt;211&gt; 850

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1276

```

ccccttcaact tgggagctctg acttcattac ctctgtctgaa acaagggtgcc tccaagcttt 60
gggttgattt ccagaatctt gttgggttaa acataagtag aagtttgatc ataaagggtg 120
ttattaagcc ggataggtaa gcacggtgac aatggcaata gaaatctaat ggaaaacgat 180
tgaatgacaa ctacaccaaa gtttcatgga tgaaactcac ccagaaact tagtgttcaa 240
atcagagtga tacacaattc aaaatgtgat tttaaacttc tggaaatatg tgtgtttgtg 300
aagatccaaa tccaattcag caacctccat caggcagaaa ccttctgcaa tcctcacatg 360
aggaactggk tcacagtgtg cacagcatgg agccattagt gacgttatcc aaaggatgag 420
acaagacaaa agttactgtc taataaaaagg aaaattagga acaggaatgc tctttaaact 480
caggaagatc ttttgggggtg tcaaactgga cagcacagaa tcattagaaa aattagcttg 540
gcgtgagaag agacattgag gtcttctctg taaaatttac ttagatactt gtgaatagga 600
ctgaaattta tattttgggc actctttacc tcagattcag agttcttagg attattttaa 660
attcatttgc tggatgtttt caagtataaa caataagaaa actgcaactt caacttaaaa 720
ggcactgctg tatttgcacc ctatattttg acctgtcgtt aggtactgtt gaatatTTTT 780
atctgtaagc atttatgaag tgcaaaaataa acatgttatt atataaaaaa aaaaaaaaaa 840
ggcgccgct 850

```

&lt;210&gt; 1277

&lt;211&gt; 500

&lt;212&gt; DNA

802

&lt;213&gt; Homo sapiens

&lt;400&gt; 1277

```
gagcaagacc ttgtctcaaa aaagcaaaaa agcaaaaaaa aaaaaaaaaa aaaaaaaaaaag 60
gaagtctttc ttcagatact tacgtgaaaa aaacctgcaa tatcttttaa gtgaaaaaaa 120
cagtgccaaag cagcacacat agtataagcc ccaaccaacc tttttttttt tttttttttt 180
gagacagagt ctggctgtgc ctcccacttt ctaagctttg saragagtga gttgactgag 240
cagccaggta gatgtggggt cagatctctg cktctgtccy gctgtgccaa gtgctggggc 300
agacgcrggc agagagtgga cagyggcatg gtgcctgctg ctagccattt ctatgcaaaa 360
ccagatttct rgtcccatcc tggaggccaa ttctaggtac stgggtgggc ctgggaacct 420
gtgaamcaag taaactgact tagacacccc ccaccccacc aggctgtcc tagcagcccc 480
acacaaaacg ctcatgtcct                                     500
```

&lt;210&gt; 1278

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (506)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (538)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1278

```
gaagtactct aaatgagcat aaggaagaaa acacaactac agttttcata ggagctaaac 60
tgcagaacac agacaggatt ctagaaggac aaatcttatt tcatttagct tcttcttaaa 120
gccaagatac ctgcaaattc aaaccttagg ttctgcectc tgcggcacc aggagagacc 180
tgactaggaa acttcagaga ggagaatgta aaaggaaatg tagatattta taattgaagt 240
atctttcccc ttgggtatct ctctttctct tttttttttt aatgaaaatc agtcaactga 300
atatttttgt tccccgagga agactcctca gctgtcgatt atgctgagca cacgggagaa 360
gctctaacag aagatgatgc ccgctctggc taatgatcac ctgttctgta tcagtgagag 420
acaaggtctt gaagttggcc cccttcagct gtgaataggt attaggtacg gaatatagct 480
aaaagcatct gtgtgagcct gcaaancaaa tgggtgctgg anccaatttt gtacagggnat 540
atccaaataa atttaatttt c                                     561
```

&lt;210&gt; 1279

&lt;211&gt; 1667

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1279

803

```

gggaactgcc aaaagtgtgc atttggctac agtggactcg actgtaagga caaatctcag 60
ctgatcctca ctattgtggg caccatcgct ggcattgtca ttctcagcat gataattgca 120
ttgattgtca cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
gacgaagact ttcaaaatct aaaactgctg tgcacaggct tcaccaatct tggagcagaa 240
gggagcgtct ttcttaaggt caggataacg gcctccagag acagccagat gcaaaatccc 300
tattcaagmc acagcagcat gccccgccct gactattaga atcataagaa tgtggaaccc 360
gccatggccc ccaaccaatg tacaagctat tatttagagt gtttagaaag actgatggag 420
aagtgagcac cagtaaagat ctggmctcgg gggttttctt ccactctgaca tctgccagcc 480
tctctgaatg gaagttgtga atgtttgcaa cgaatccagc tcacttgcta aataagaatc 540
tatgacatta aatgtagtag atgctattag cgcttgctag agaggtgggt ttcttcaatc 600
agtacaaagt actgagacaa tggttagggg tggttttctt attcttttcc tggtagggca 660
acaagaacca ttccaatct agaggaaagc tccccagcat tgcttgctcc tgggcaaaca 720
ttgctcttga gttaagtgc ctaattcccc tgggagacat acgcatcaac tgtggaggctc 780
cgaggggatg agaagggata cccaccacct ttcaagggtc acaagctcac tctctgacaa 840
gtcagaatag ggacactgct tctatccctc caatggagag attctggcaa cctttgaaca 900
gcccagagct tgcaacctag cctcacccaa gaagactgga aagagacata tctctcagct 960
ttttcaggag gcgtgcctgg gaatccagga actttttgat gctaattaga aggcctggac 1020
taaaaatgtc cactatgggg tgcactctac agtttttgaa atgctaggag gcagaagggg 1080
cagagagtaa aaaacatgac ctggtagaag gaagagaggc aaaggaaact gggtagggag 1140
gatcaattag agaggaggca cctgggatec accttcttcc ttaggtcccc tctccatca 1200
gcaaaggagc acttctctaa tcatgccctc ccgaagactg gctgggagaa ggtttaaaaa 1260
caaaaaatcc aggagtaaga gccttaggtc agtttgaaat tggagacaaa ctgtctggca 1320
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tctgagggtg gccattgggg cctcagcctt ctctgggtgac agaggctcag ctgtggccac 1440
caacacacaa ccacacacac acaaccacac acacaaatgg gggcaaccac atccagtaca 1500
agcttttaca aatgttatta gtgtcctttt ttattttctaa tgcttctgac tcttaaaagt 1560
tattttatct gttattatta tttgttcttg actgttaatt gtgaatggta atgcaataaa 1620
gtgcctttgt tagatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1667

```

&lt;210&gt; 1280

&lt;211&gt; 457

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1280

ttcacagcta ggagtcacctg ggaatacacg aacctgtgca gtagacagtt gggggccagc 60

## 804

```

ttgttggaga ctgttcttat tttcttcttc ctttcagaat ttcagctgat cctcactatt 120
gtgggaccca tcgctggcat tgtcattctc agcatgataa ttgcattgat tgtsacagca 180
agatcaaata acaaaacgaa gcatattgaa gaagagaact tgattgacga agactttcaa 240
aatctaaaac tgcggtcgac aggcttcacc aatcttggag cagaaggag cgtctttcct 300
aaggtcagga taacggcctc cagagacagc cagatgcaaa atccctattc aagccacact 360
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaana aaaaaaaaaa aaaaaaaaaa aangggc 457

```

<210> 1281

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1281

```

ttttttttcc awgtacwtga aaaatccatt ctcttgggtgt cactacmagt ctgcttagtt 60
ttaagtgaaa ttctttttat gtctacttgg tttttacttg tgtcaacatt tagtatgcta 120
cctcttctat wgaaggatga actcctaattg ccctctgttg tgacaacaat ggcatttttt 180
atagcttgtg taacttcctt ttcaatatTTT gaaaagactt ctgaagaaga actgcagttg 240
aaatccTTTT ccatttctgt gaggaatat ctccatggt ttacatttct ttccagaatt 300
atacaatatt tgtttcttat ctcagtcatc actatgggtgc ttctgacgtt gatgactgtc 360
acactggatc ctcttcagaa actaccggac ttgttttctg tattgggtgtg ttttgtatct 420
tgcttgaact tcctgttctt cttggtatac ttttaacatta ttattatgtg ggattccaaa 480
agtggaagaa atcagaagaa aatcagctag ctgtattcct aaacaaattg tttcctaaac 540
aatgtgaaa atgtgaacag tgctgaaagg ttttgtgaac tttttgctat gtataaatga 600
aattaccatt ttgagaacca tgggaaccaca ggaaaggaaa tgggtgaaaag tcattgttgt 660
ctacacaaaa taaatgtata tggagaccaa araaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaa 723

```

<210> 1282

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1282

```

cggacgcgtg ggcgacccac gcgtccgget caggcacgtg gccacctttg aaccagggat 60
tttgatcggg ggactctcat tggcccggcc ccgttgggtt ccttgtcccc tggccccac 120
gggagtgagg atggcgccat ggtggagagc accaccagga ccacgtggag ttagggagag 180
actgtcccc taagaaaaac ataggacccc tgcaagccca accacctctc ccattagaat 240
ttttcagtca ggcacaatgt caaaagttca gcttaggktg garacaaatt tgcargacag 300
gtttccara atcatccaca ttaccaccta c 331

```

<210> 1283

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

805

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<400> 1283  
gttctagcaa gtgtggtttt agctgtatta gccagattgg gcggccggga gtggtggggg 60  
tgccgggtgg aaggctctgg gcggggtctc aggaccctcc ttttcttggc ggggatcggg 120  
cttgtggtgc cgctccccgt aatgtacgga ggaagaggga aagggtctctg gccccctcgg 180  
cgtcatgtct tcggtgctgg cggcttccca tccgctggtt ctatcctcaa acgccgggac 240  
accgggaatc tcggaggaag ggacaaccga ggattccagc tggcttcctn catcggggtg 300  
cttcacaatt tcttcatttg attttcangt cttgcggacg ctgttat 347

<210> 1284  
<211> 918  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (822)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (866)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (878)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (916)



806

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1284

```

gacacnaacc ctcactaaag ggaacaaaaag ctggagctcc accgcggtgc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag cctgtcacca tccccagccg 120
ttagccatgg cttcggttct ggctcccggg cagccccggg cgctggactc ctccaagcac 180
angctggagg tgcacacccat ctccgacacc tccagcccgg aggcgcgaga gaaagataaa 240
agccagcagg ggaagaatga ggacgtgggc gccgaggacc cgtctaagaa gaagcggcaa 300
aggcggcagg gactcacttt accagccagc agctccagga gctggaggcc actttccaga 360
ggaaccgcta cccggacatg tccacacgcg aagaaatcgc tgtgtggacc aaccttacgg 420
aagcccagat ccgggttttg ttcaagaatc gtcgggccaa atggagaaaag agggagcgca 480
accagcaggc cgagctatgc aagaatggct tcgggcccga gttcaatggg ctcatgcagc 540
cctacgacga catgtaccca ggctattcct acaacaactg ggccgccaaag ggccttacat 600
ccgcctccct atccaccaag agcttccctt tcttcaactc tatgaacgtc aacccctgt 660
catcacagag catgttttcc ccacccaact ctatctsgtc catgagcatg tsgtccagca 720
tggtgccttc agcagtgaca ggcgtcccgg gctccagtct caacagcctg aataacttga 780
acaacctgag tagcccgycg ctgaattccg cgggtgccgac gnetgcctgt ccttacgcgc 840
cgccgacttc ctccgtatgt ttatanggac acgtgtantc gagcctggcc agcctgagac 900
tgaaagcaaa gcagcnct

```

&lt;210&gt; 1285

&lt;211&gt; 3211

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1285

```

gggattacag gcatgatgcg ccgcacttgg cctagtgttt tcttaactgt gaaattccca 60
ttcatttctt gaatgaggct acatcttatg gacagagcaa agttattgtc ctacagattc 120
ttaaactat aattatggct attgcatgaa atttaaatag attttattat gtctgcaaat 180
ctctgggctt ttatttttct ggaaaatata ggagctttta tcaaacata atagtctctt 240
ttgtaattcc atgttaataa aaacaaatac tagcaattgc ttgaatttta atgaatatatt 300
aaaagttcaa gagccacgga aatcacttcc agagataaga gttccctttc taaatagaac 360
acatttttaa aaaataagtt atgtttgcta ctaaaacatt tacactgkta gactattatg 420
tgcattgttc caagactctt aagtaacttg gatatcaact gtgaagggcc tacctctaaa 480
aagtaacagg tcatacaaat acmaatgtaa ctgntaaaaa ttccactgga ttcttgcata 540
tttgcaagat tagattattc aaaagaaatt tcagtgtcaa aattaaccag caacataagt 600
tctatgggct ttgaaaattg ttctcatctt tttaaagttg atgcattttc aatcctgctt 660
acacaggctg ttcatttgga taagtaaata aaatgtctaa ggtgaacttg gcattatgtg 720
gagatgttgg accgttatag agcaatacaa attcctatgc tgtcattctg tttctgcaa 780
atgcaaactg gcttatatgg tcaacagtgc aaaaataggg tagttggctg catatttagg 840
gtattacctt agcatttggt ctctaactgt gctctactag aatgattttt ttcttgcatc 900
ttttcacatt aatgatgttc tttatataac tttcatgcga ttatttagtt ttttaaatta 960
ataaagtga ttttaagaaat attgaaataa acatctaagt aattgccatt ttaaaccctt 1020
gtttcttact gtgggagagg gggaaataca gcactcattt cttgttttta atttgagaa 1080
gtaagtgaat atctatgtaa aatcaaacca aaagagttgg actgagtgtg tattgtcttg 1140
agattaagtg acaaatagta aagtgttact gagtaattaa gcccattgat tttttttttg 1200

```

807

```

tgagttgaaa atctttgaaa tatgtgataa ccgaatgtca aaagttccta aactctaaca 1260
gtgcaggttg ttactgttaa cgaggtaact catatttgct gggtacataa actacaagta 1320
ctgctctcac aatatgggac tttgaactgt gatgtagttc aacagttgcc ggcacacctc 1380
cagctgatac gctgcgaata ttttgggtta gacttgcagc cagatgcagt tttgcaaccc 1440
aagaaaaaag ttgaacctat gatcaaaaac tgctcccaag atgaacctgg aaaaaaatca 1500
gctaagctcc cttggcgatc tgcaggaaca ctagtaatga ctggaattac tccgtgatct 1560
ttgatgacta ttacacataa cagcactcta gcaccttttc ttactggcat ggacttcctc 1620
atggactgct acttcatgga tgatagcttc attgcttttg gtagggattt aaggtagtca 1680
aggggaaaaa acgcatttta ttacagggtc taacatcagg caactttcaa ctttaaaacc 1740
ctttgtgaaa aatgtgggta tagcactata gctctgattt taggatgggt aaatgttata 1800
ttcattgttg gcytacctta tcaaaactgt ccattaatcc ttccacagac ataggtaagg 1860
aagagaacaa ccagtggatt caggggacaa ttatctatc ccaaataata ggcttttatt 1920
tcttgcagct aactttttca gtgattctag cagatgccat ctagtacatc cttgatcttg 1980
tttstttcgt gagagatctc gccatggcag catcttggtta agtaagtgtg attgcacatg 2040
cacaaaagac ttaactagct ttacatttag cagtcagttg gttagattag gtttcatagt 2100
aatgaatag gaatagaaag aataggaagt gtttttattt tccagtagta attccgtgga 2160
ttccatttga ccagttttac tatcagttca gttcaggtag atttgggtca acttttggtg 2220
gtttttggct ctaggatatt cttgacttta atatcctaga acttactgag tcttcccttc 2280
aataaataca cttctcacat acctctaate ctatgcttcc ttgaaacaat aatgctagct 2340
gagttgttta ctaaggatta ttataagggc ctgaagggtg gggagtggag attaatataa 2400
acctttatgt tctccaatat aagggaaaaa caggttggtg ctacttctga ttaggcagaa 2460
aacaccagga ttctttaagt gatccttgaa atggttattg ttttctgcct tgtcacattt 2520
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aggccaggac ttagtgacta gttttcgcta gacagcaggt taatacctag atctcattta 2940
aaaaaaaaa aaaaaaaaca ggattaaagg gaactgatca ggtttgttga gtttttttagc 3000
ctaattccaa agcatggaag agtgctctag gtaggaaaga aagctttttc ttacgatttg 3060
tagctacctc ctgtgcctga cttgggtgct gtgtgaggat taagccctta gtctgctctt 3120
gcaattattc aaatgacaaa ttaaatttgc ttttgaata acaataaaaag ttgtcatctt 3180
cccttttgaa aaaaaaaaaa aaaaaaaaaa g 3211

```

&lt;210&gt; 1286

&lt;211&gt; 790

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1286

```

tgaggattag tgcagntttc ccaagggaaa atatgatcat agctagtggg cttaccttgg 60
cagtacttag actgtgtatc ctttgaagtg tcttatcta gggatgggtt ccatgaaaac 120
catacaggtt ttctaaatga cacagtctgg gtaactgcct agcttatgta atcatgtgag 180
gggttaataa tctctagggg gtagttacac tgatgacttt tcaagggtcc cmgggcctga 240
ccaaaatttt ggcttctctt aatacaaagt ggcacctgga attttagctc tgtgtacatt 300

```

808

```

gatattgggc cccaaatggg tttctgtggg atgcaacccc agaaagggta ctctgatagt 360
actggagaag gtttactgct tgcctgttca tcgtagtcca tgtttttttc cccaaggcca 420
aagattgggc tgggattggg gtggtagtgt atttgaatga tgctggagat aaccaaagcc 480
aacagtcctt gccagagctg ggctgggtgg atttaactgt ctttgagtta aatgtaaagt 540
ttttaataaa taccagaat ccattaactg ctggaggggt aaagtgaagc tctgttgtaa 600
aataaagctg attcccatta tgcgtgggtcc tgtatacaca ggctgtgggt gaccattatg 660
gaacaaaaaa atacttattt gttattttgt gctatagaat aggaacttca ggggtggata 720
cctatgctgt caggaatgct tgttataaga attaattaaa acactttgct taattattaa 780
aaaaaaaaaa                                     790

```

&lt;210&gt; 1287

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1287

```

cggcacgagc ggcacgagcg gcacgagggg atttctaggt tttccccttg atcccagcag 60
ggttgtagct cctaagagag cttggaaagg gatagagaag tctgacccaa atttgccgag 120
sgactgagtg tatgctgccc cctttctggg ccttggtctt ttctcaatc atctaggcac 180
agtccatga ctgcctgttt ttgaggatgt gggaaggggt tgcaaataca gtgctttccc 240
attgacacac gctggtgagg atgcaagctc cctggcacca gcagtgaggg ctgagattgc 300
aagagtaaaa acttcatcac tgggaagaga agtctgcagg ggactggaag tgatctgaan 360
attctgaaat aactcttcct ctctctgcag a                                     391

```

&lt;210&gt; 1288

&lt;211&gt; 392

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1288

```

gggaaaggag tgtttcccag acagcccagc ayctgcaggg gatggagggc acataagttt 60
gaatataaag tttaacaaat caggggcagg gccagaggaa ccaagtccaa gctcttgggt 120
tcaactataa agtaccatgg aagtttgaaa actgaaagag atcaaaaagc tgtagaaga 180
aaacgcaggc atcaatcttt atgaccttcg attaggcagt ggtttcttag atatgacacc 240
aaaagcaaag caacaaaaga aagaaaactt aaagtggatg tcatcagaat gaaaaactct 300
tgtgcttcaa aggataccat cacattttat aattcatagr tctgataaag grcttgtrtt 360
aaggaawtmc aaggacctcc acctccatta cc                                     392

```

&lt;210&gt; 1289

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1289

```

agtgtaaagg tagccatctr aggaccagtg ctacacccaa gaatactgat aagtgtttct 60
ggtgtggggag aaatraggrt tatttatata gggcaaaaac gaggtgttga acaggattac 120

```

809

agcatttttt

129

&lt;210&gt; 1290

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (424)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (428)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1290

```

gtccgggagc agtggttggg gttcncagag tnatgacgtg gagtggctgg gcctggggcag 60
atgtgcacat cgtctgtact ctggatccct ggcccagaag gactcagatc cttacttcta 120
ggaattttca tttaatgaac attatgagaa ttggagggaa ggagaattcc ctttacagaa 180
tcaacccaag ttttctgcag ggatagggag cccttgtagt aagttatccc catagaaatg 240
aaaaccacgt ctccaccatg gctgttctta ctctctcaga gaagctctga taaatgaatc 300
ttcctggata tcctgatcat tttcattttc cacgtgctcc attcctgctg ggaaccccag 360
ttggcggaca caggcagatg gccaggggac cttccacaaa gggccacagc ctgtggccng 420
ccantcantg tgcccttcct tgtg                                     444

```

&lt;210&gt; 1291

&lt;211&gt; 673

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

810

&lt;400&gt; 1291

```

gcacagtttc tctaatacatg gtcaacaaag atctgacagt gcatcgtccc taaacgaccc 60
atacttgccct cactgacacc atgtggccca cttcccatct ataatactatg tctgggtgtg 120
aagcccttcc catatgatcc cccgaatgga acttcacaag ttcgaattca ctgggtcaca 180
gtgtgatagc gtgaagatgg gaggacgtta agggaaggct atgggtgagt tgggaaatgt 240
gttaggcagg gtcagagatt accacatcct aaaaacaaca cttaggcgag gagatgacaa 300
aacaatcaat gaataacatg actttttcca gtgaaagtgc catatctaata ctttttccat 360
ttttgttctc tgagcttctt tcttagggaa gatccttctt gagaagcccc tgctgagtat 420
taggaaaatg catttcagga cctctcatca acacaccctc tttctttacc acaaccacat 480
atatgggggc ataactcaac atgtgtaaaa gacaatcttc tgctttttcac tgaacctcca 540
ggaattcagg acaataaaayn tctacatgsa gaccaacagg tgagtttttc tgcccttctt 600
ttcataacac cgttcttccc tagtgaagtc cacacacatc cttacatggc agctgtgggt 660
atatcaactg gtc                                     673

```

&lt;210&gt; 1292

&lt;211&gt; 372

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (356)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1292

```

gccagaataa tattctctta tttgcatgta tctaccacat tttatttatt cattcagcga 60
cgggcagcag cctgtagata gttttgtttt catgtattga atgggtcctt cccccagtgg 120
agttagtaaa tgcacccgga agcagaattc tgttgtttcc cattcatcac tgtgtgccag 180
gtgtctgaga agggggtctt ataggagccc acgcaraaac caagctcacc tcagtctggg 240
tgtggggcag tcagggaagg cattctggaa aatgtagctg actcgaaata agcacctatt 300
graaatagtg tgcygagccc tggaacatta aaaatgtgtt cctatgtgga aatcanaaat 360
gtatgggtcc ca                                     372

```

&lt;210&gt; 1293

&lt;211&gt; 1204

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1293

```

aagcttcctt tgnnctagcc cggccgccac cgcggtgaac agacagctcc caggttccca 60

```

## 811

```

atatttatttaa tgccacgcta ccacctcagg agcgcatcac tgctcaggag attgacagct 120
acttacgccg ggagctgata tacaagcgga atgagagaat agggaaagcgg gtgaaggccc 180
ttttggagga gtccctgac aaaggcttct tctttgcctt tggagctgct tcacagtagc 240
cttgaaaatc aggagccttg aactacagta gctgtgaaaa ctgtttgcct aatgggttact 300
ggagggggaca gaatgggttc aaagtctctc caaagctcca tccttaaaga atcatcacta 360
tttgacatgt ccaatagtcc cctgaaatct ccattcccaa gcttgtcttc atttgacctg 420
actcagagct tgctctgtgt gaatagccct attcttaggg tgtgtgttga aaacaatcag 480
tagcagctgt ttaacatcat agttgctgga aatagcaata ttaattgaag cttacaaggg 540
gctgccc aaaacttaaaa gcaaaatccc atagggggta tagaaaagct ctaaaatatt 600
cctagagagt cacatgcatg agaagagctg tgcacatgcc caggaaagac ctgagaaggt 660
cctaattctct cacctctggc tgatcttgag gctctgtgta agcagagtgt gaaagctaag 720
gcaaagtcata aaattgcctg ttgaagcacc aaatacatgc ccccaaactc acacagcccc 780
tctgcaaagg ttgggaaact tgcaaggaaat ttaaggaaat ctctgttcag tcattagcca 840
gccactaaac taactgagca gatccttcag tgatcacaca caacaaagaa tacagacttt 900
acagacttag tcctagaaaa tcactacaca aacagcaaca acaatgcacc tgggactaag 960
ggagagggaga tgagttccag agttggtata ttatttaaata gtctagtttt caataaaaaac 1020
aattataaga cacagagcaa aactagaaaag tatggcccat acccagggaa aaacaagcaa 1080
ccaatagaag ctgtccttga ggaagttaat atcttggact tactagaaaa tgactttaac 1140
mctagtatta taaatatgtt cmaaaaaacta aaagaggcca ggtgcggagg ctcacgccta 1200
taat 1204

```

&lt;210&gt; 1294

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1294

```

aagtgtgcaa aatagcatta tttctaaaaa gacaatgtat atatcttatt taaaaactat 60
tgtagaaaaa tgctaataat catttgagct ttcagtaagt tgtaatcttt ttgggtggtag 120
agggtctcgc cttgatgttg atggctgctg actgaatcag ggtgatgggt gctgaagggt 180
gaggtggctg tggctattaa aataaggcaa caatgaagtt tgccacattg actcttcctt 240
tcaccaaaga ttctctgtga gcatgtgaca ctgtttgata gcatattccc caccacagat 300
cttcttttcag aactgggggt gggacctggg gcaattgcag taatgggtct aaaccttttg 360
ttgtcatttc aacaatgtgg cacagcatct ttcaccagra gttggattcc atctcaagga 420
aaccactttc tttggcttca gccgtaagan ggcaattccc ccgtttcaag tttt 474

```

&lt;210&gt; 1295

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (386)

&lt;223&gt; n equals a,t,g, or c

## 812

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (407)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1295

```
gcgaaggcag aatcattttt tctacctgtc tgaatcagca ctttgtaagt ttacataaaa 60
ttaaggattg tgattttctaa gataggcatg ctttgcaa atttctctat aaaagtggaa 120
gcctctttcc catagtgtc actttaagge tttctgtagg cctgccgata agattcactg 180
ctgttcagggt acataagatg taatgtaatt ggatgcacat gctgggcttt gtaaataaaa 240
tgagattgac acccagcaat tatctcattt atctgattta cattgtaaaa tcaggatcta 300
cactattgat tagagcataa ttagttaatt atgaacaggg aaatacaaag ttacatggag 360
cttgagctca gcargttgta ctgctnaaaa atttccaagg gcatgancag atggaaatca 420
gtttattaaa gaacaaagca gacatgtttc 450
```

&lt;210&gt; 1296

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1296

```
aaagctggta cgctgcagg taccggtcgg gaattcccgg gtcgaccac gcgtccgcta 60
agattagaac agctcatagg agagtcatga ttttgaatca cccagataaa ggtggatctc 120
cttacgtagc agccaaaata aatgaagcaa aagacttgct agaaacaacc accaaacatt 180
gatgcttaag gaccacactg aaggaaaaaa aaagagggga cttcraaaaa aaaaaaagcc 240
ctgcaaaaata ttctaaaaca tgggtcttctt aattttctat atggattgac cacagtctta 300
tcttccacca ttaagctgta taacaataaa atgttaatat tcttgctttt tattatcttt 360
taaagatctc mtacaaaana aaaaaaaggcg cgg 393
```

&lt;210&gt; 1297

&lt;211&gt; 627

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1297

```
tgtcctagag atcctgagaa ttacttttaa taaaatcatt tttttgctgt tattaaaact 60
aacctgaatt gcctaaaacc aagaactctg cttgataaaa taagcatagt tttaggaaca 120
gccatgcaga tataaatttt atcaacactt tatacataat ttgggactta tatttaaagt 180
taatatttga tgcttataaa agggtaaatg gggaatgcaa ataaattatc aagcataata 240
actcatcacc taacttaaga ataacattat gagtgcttgt attttatcta tttgagctct 300
tctcctatct ttgccgaccc ccccgctctc tttttaatat atttgttcga atgtagaaag 360
acctaaaata catatgtatc cctaaagtga cttattttat agttttcttt ctttttgaac 420
ttcaaaaaaa ttgtatcata ctctatgtag tctaaggatt tgggtttttt cactcaacat 480
gtctctagaa ttcacaagtt ttattgtttt atagctgtca ttttcattga tgtatatctt 540
attgttgggt tataacaacat attgttaagg aatacatata tatataataa attatacatt 600
ttttaaaaaa aaaaaaaaaa aaaaaaa 627
```

## 813

<210> 1298  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (339)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (343)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<400> 1298  
 gtgggcctta ggggtacagca ggcgcgycag cgtttggtg catggcgccg ggggagggcg 60  
 ccctaaccga gaagctgctt aatacaaaga gtcagggt cctggcggtt caccaggtct 120  
 aaacagccgg gctttatttg tgggggcat tgaaaaaatt gaggggtcaag attgggggtgc 180  
 tgtgcaaata aatgcgttaa tactgttctt tttcttctt ctttgcagta gcctctagtt 240  
 cgttagtcaa aacgttgaaa aaaaatactg ctttgccctg ggaaataata accctgccaa 300  
 atactccact tggtggaaac aaaagatttt atggaactnc ttnaaaaaaa anctccacat 360  
 gcccatTTTT tttaccggtt t 381

<210> 1299  
 <211> 509  
 <212> DNA  
 <213> Homo sapiens

<400> 1299  
 gacattgtaa ccgcagattc agcccaatct ggttcaactt tgtgtaataa aatggcgagt 60  
 tgtttttcag ttgtcgtgga cccccagggt gcaagttaca taccctgggc atgtccagat 120  
 gaacgaagcg tgcaaatcca cgtggaacct aagtgtctag actgaggaac agggactgag 180  
 ttaagaagtg gacaccacgt ggcattgatc ttgatccaat cagattgagc cctggcgtga 240  
 tccagtcaga tcaagcctcc tgaatccctt cattacaaga tccaatcata tcatgcctca 300  
 ctaccctctg tatataaaat ctgccccagc ctccaacttg gagagacaga tttgggccag 360  
 actcctgtgt ccttgcttgg ctgccttgca ataaattttt ctctctacaa aacccagtg 420  
 cttcagtggt tgggttttcca atgtgagcca gggaactgac ccaatttagt tcggcaacaa 480  
 cataagcaaa atgttttccc gagttctct 509

<210> 1300  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens



## 814

&lt;400&gt; 1300

```

ggcagaggtg acaggtggtg ggggatgagc agggacgggc cagttttgta atctgggasa 60
gttttcaaga tgtattccct ctctgacatc tattaactag cacagagtct tcaggatatt 120
attaggtgct caataaaagt ttattgtatg agaataagca atattttctt tatctctcat 180
ttggttgat ctttccctac tttgttattt cattttttct tacattttat cytygtattc 240
tgacactatt tcttagtttt gcttctgttt tccccagaag agtactttgg ttaaaatgta 300
tcacttgcaa aatagaataa cacaccgcca tgtagtggtg cttcagggtta taattttcca 360
tatatgtaca gtatgccaaa aaggatgctg cttctagaga gaatgtttaa aactcacttc 420
tctagatttt tttaaagtta ctttagtggt tc 452

```

&lt;210&gt; 1301

&lt;211&gt; 539

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1301

```

gatcacttca tgttatgaag ctagtatagc cttcacacca tacagrctaa tctcactgat 60
gaataraagt atgtaattgt taattatyaa trtttagcaac ttgaatctac aggtgaytat 120
raagtatttt tttagtttga agatagtttt ttccaraaat ccaaggatgg cttaatcata 180
tggaataatc aagggcaaaag ccaagccaag aaggcttgaa araagaacmc trgagatata 240
ttataatgct ctaataatta aaatggtgtg gtattagggt atgaatggat raacaracca 300
atggaacaaa attgcgaagc cagatagaaa tcaaccagtc tgtggatcta ttaatttatg 360
ggaatgtctt ttgtgagata tatcaattaa tgggaaaaaag actgtttaaa acataattca 420
gtgacagttg actgtatgga agaaaacaaa attaaacctt tatttcattt ccagatggat 480
ttaagactca tgtaaaaaaag taaaactttg aaactcagag aacaaaaaaa aaaaaaaaaa 539

```

&lt;210&gt; 1302

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (412)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1302

```

gcaccagtgg catcggggacc agccccagtt tgaggtcgct gcagagcctg ctggggcccca 60
gttccaagtt ccgccatgct cagggcactg tcctgcaccg agacagccac atcaccaacc 120
tcaaggggct caacctcacc acacctggtg agagtgcagg cttctgtgcc aacaagctgc 180
gtgtggccgt gccgctgctc agcagcsgs gacaggtggc tgtscttgag ctacggaagc 240
ctggccgcct gcccgacacg gcactgcccc cgctgcagaa tggggcagct gtgactgatc 300
tggcctggga cccctttgac ccccatcgcc tcgctgtggc tgggtgaggac gccagkattc 360
gactttggsg ggtacccgca raagggcytk gaagargtgn tcaccamgsc anaaactgtg 420
cttacaaggc ca 432

```

## 815

<210> 1303  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (11)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (12)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (294)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (344)  
 <223> n equals a,t,g, or c

<400> 1303  
 tagcagcccc nntcttttaa ggcttgacta cagaatccag cagcttttgt ctggagagct 60  
 ggactgaaga gaggcatagc tggagaccca tagctggccc tggccagaam cagggagagt 120  
 gaaaggctgg aatagccaag gccagagcaa ggctaataagg tagagcaaca gcttacaggt 180  
 gtgggggtgg cagatactgg cacccttgaa atggattcct catgcccacg cttcactatt 240  
 cttctctgtg gctaggggay ttatggataa accaaaatta cagttaaaaa ccanccatag 300  
 gccaggcaca gtgactcacg cctttaatat cagcactttg ggangacaag gtgggcggat 360  
 cacctgaaga tctggaattt gagaccagcc tggccaacat ggcgaaaacc catctctact 420  
 a 421

<210> 1304  
 <211> 815  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (217)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (223)  
 <223> n equals a,t,g, or c

<400> 1304

## 816

```

cagacctgtg tctgatactg ratcacagtgc catgggaccc tgctccaatc taactgccta 60
caacctgccc rtccccctgc tgcagggatg ttgctgctac ctcgaggaggc tctctgagac 120
tggtgtcttg tcttagatgc tgcacatagt acctgggtgct aggggtctagg ggctgccccaa 180
agcccagcag gaacagctac tactcatcct gcagagncct tgncccagac cagctttcca 240
tccaaagcct cacctggttt ccatgtccat ctcaacagtc tggccttcct gtgactgtag 300
cctggcagcc acaccctcag taatcccrca cagtgaagtc agcttctctg ggagcttggc 360
cttcagttag cccagtccat gagagggcag ggtaatgagg aggagtaaag gacctatctt 420
ctctgtccac ataaggaagt tgggaccaca aggtctttta tctccttggt actcccaac 480
cccaccataa cctcctactc agcacacagc tttatcctgg tagattataa ggtgagcttc 540
cagaacctgg caggaggctg gtgtatcccc ctgcacagas ggaagtgtat ctgaatgttg 600
tgtatgtggc tgatatggaa gacatacatg tatgcaatcc atcagcgttt aaagaagaag 660
attggctcca gttckgagga ggaggaggaa gattacagat ctattctgag tatttttttag 720
agagttaata tttatatattt tagtaatttt ctggtagaag gaaattgcac aataaaatga 780
tttggtttgg wtwgaaaaaa aaaaaaaaaa aaaaa 815

```

&lt;210&gt; 1305

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1305

```

tcagtgcctt tcagtttgtc aaagagygga tctcaaaatc ttgcttaaag ggtaaytgag 60
atgtagcaga tttatttact tagtcatgga aagaaaaaaa ttcagtcaaa agctaaagat 120
ttccttttga ttgaagacag attggttctg tggccttgga actttcccag acttaatggg 180
gaaacatcat ttctagatta gcatactctt tggttttaa ttaatatata catttaatgt 240
tacttaggga tacttttata ttttgcata ataaagcctc atatataaag ctttatttct 300
gatgctctta gatttctgag gagtgagatg attaagttgt attcattagt gtattgggtat 360
ttcttcacat ccagtgaat tggaratatg ttgtatgtta gaagagcatt ctttaaattg 420
tggttgcctt aacatgtgta ccttttctag attcagtaat cccttcccc crkcmtytg 480
agtatgaaac ctttagagtc acaataaaat gtaactaaag aaaaaaaaa 529

```

&lt;210&gt; 1306

&lt;211&gt; 921

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1306

```

tagtaattat ggacttttaa aactatccat atataccatt ctaacaaggg actctgatat 60
gctcagagta gaggtatctt tctatggntc ctcaaactct ccagggaatt cactatcacc 120
agaatatagt ctcatgttcc aaagttagaa acaagcatat agtgagaatt catttggtta 180
tgtcttaaaa tattatttgt tttcctnttt ttgacagagt gaccttaaac ctgaaagtgg 240

```

## 817

```

tagcaaggta agaagtcagc ggtttgtctt gtgtttatat ttgtgtttac tcaagtagga 300
ctgctttttg aaacattttt tcttaacaag agaagttaca aagtatttac tttttcccca 360
agcaaaaatc ctatttttct ggaatttgga ctcagtatca tctcaggaat aaaagaatag 420
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ttgaaaactt taatgtgtac tacattgcat accaggaaga aaatatggaa ccattttctg 840
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ttcagatagc tggtagacag c

```

&lt;210&gt; 1307

&lt;211&gt; 802

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1307

```

acgacgggta acatccacgt gggcggggggt gggcgggctgc ggccagccaa ggcccagggtc 60
cgggttgaacc accctgctct cttggcctcc acacaggaat ctatgggcct tcacagggcc 120
caggggctcc tgatgcccc ttcacatgt gagccaggac atgaggcttc cctgaagcaa 180
ggatttcagc cagatgccat agaccctcag aacttgacct ggaagtccag aactgaacg 240
caggcctcaa aactgctgcg gccttccaac tcctgggtatc tgcacggcg aatggccctt 300
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ctttcatgca atgatgtgta ttttccatt ctggaggctg tgggagatga caagacaatg 420
aatgggaagg tctgacacag aacaaatcag cggttctgaa agcttgggga atctcagact 480
cctttgagaa ttattggaaa atggaccmc tawaacttgg cgtgtgtgtg aactgcttga 540
tgcccatcca ggaaagccaa gttaagaagc tttgcttcaa gtagacacta gaaatccatt 600
cccttgga tttatacagt tcacgtctcc caccatccgt tcactcacc caccctgcca 660
tctctccacc tatccatctg gctattgctc catctagctt tcccgtcca tctaccatc 720
ttccaatcca tcactcag tatctgcctt gcttatccaa ctgtctgctt tattcacca 780
cccatccctt tatcattcta ac

```

&lt;210&gt; 1308

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (182)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1308

```

acaaaaaaaa aaaaaaaaaa aaaaaaaatt caggccgtta ctggagagtc ttgggggaaat 60

```

818

```

tttttttttaa aatgtctgaa aattttttcca cttaatccat tgatgaattt caaagcaatt 120
gtatttttttc atacaagcct gccactgtga gcctgttctt attgtatctg agctntttgt 180
gntgcctgaa ttttgtctct taattttctt tcagcttcat agtgwtccat tcttcaattg 240
tgttggaggg aaaaataatg gtagaaacta aaacacactt tgaccttttt tttccaattt 300
gtagatggca tttggtaggc ttttgggagt aatagcctat ttcaaaaatt aaaaggtgat 360
gcaaaattat tgtgggagt                                     379

```

&lt;210&gt; 1309

&lt;211&gt; 1444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (948)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1309

```

acccacgcgt ccgctaaaat atccccccaa accccagcaa tccaaaacac ttctggctct 60
aagcattttg agtaggggat actcaactcaa cctgtatatt tgtgctaata catgactcat 120
tagaatgatt ctttgtaaac ttaatatattt aaaagtacag cacttctgta gtatggaagg 180
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aggactaatg tggaaacccc agaggggtgtc cagttggacc agggagatat tagacactta 300
acagtatttt cagtctgtcc atctctttat tccaatgtga gaaatggaag tgtttttttt 360
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tatcagtttg agaatatatt ataaaaattt cagacagtat atcagaaaaa tgttttttatt 1260
tgtactgtat agaaaatgta attttgcctg taactctgta ctttttaaat tgaaaatgtt 1320
ttataaaattt gctttttaat tttcttatga agccatttgc aaattacata cttaatttaa 1380
taaaatactt tagccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaact 1440
cgag                                     1444

```

&lt;210&gt; 1310

&lt;211&gt; 353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1310

```

atgaaactga actatcttct ttttcttttt attccttctg ggataaagga gaagtaattg 60

```

## 819

```

taggaaaggt tatgaaacca ttttacggaa aagtagttag aaattaagcc aggacaatgt 120
cattaagtct tcagtgcacat ccctaggtac agcttttgtg ttttcatctc cttttgtgtt 180
ttcaagtga tagcagaaaa accctttaat ggtgtgtctt ctgtactggg ctacacagt 240
gtgtwccaag gtatatatga aaccacagt taaacaaggg ttgtcttccc aagacatcaa 300
ttttgataga aaawtgtgtg tgttcatgtg tgtgtgtgtg tctgggtgta atg 353

```

<210> 1311

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (729)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

<223> n equals a,t,g, or c

<400> 1311

```

ttttgcaa atatacaataa tagtaataac acaattttgt catttaaaaa attaccatt 60
catttttcaa acttgactgt tagtggaggg gtatatgtgt gtctgtgttt ccacttatgt 120
aatggctgtc tcattatttta aattaatttta taattatttt tcagtgtaca gaggtagtag 180
cggcttgtaa tgctgtttaca atgtagcatt gtaatgtaag atgaaggaaa aattaggatt 240
taggtgggat ttttaaaaaat ttatcaattc agctactttt taaaagaagt cctattccaa 300
ttggaccttt aaaatttttta ttttggtaat atttcmactt argrtgtwtt aaaactrgcm 360
attctgtggg aatcagtgta ctagtcaaca ttaaaatgct attttgggtt gtcttctttt 420
ggtaacatat tctgacacta agcaacatgt tttacaattt agtggratga acctacaaat 480
tcataaatgc ttctcttttat tttgaaggaa aaagatactt gtctgtatac gacataattg 540
ttttactctt cagaatgtga aagttatatt aatcactaaa cactttaaga agtggttctg 600
gtaggatata agtagtcaga cttaattgaa aaactgtcag cgtctgtttt gtatataggg 660
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aaaactatgg catgttatag tagatcttac tattaaagat ctgtgtatat tttaaactgt 840
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ttnttttgtg ggcaaactgc ttattttt 927

```

<210> 1312

<211> 504

820

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1312

```

aatcatancca tttaatttta agattaagaa tattggcaaa gatttggttta tttttacctg 60
tctttatttca aatgttctaa tatacatatg ttccaagttc tctattactt cttaaataagaa 120
tatacatgat caaaagagta tgcctctttc taaatgagaa aaactttata ttataaatcc 180
agtgtatcggt atactatcca tcattttgtt ttgtatggcc taatgtatat cagtaaaacta 240
aatagacttta aatgtggctg gattttgact gggaatatgg gaagaacaaa gcaggtgaga 300
tcatgtatgt gactaaatat agcgttgatg cttaacgatg gcctctgagc atgttaagtg 360
tacttatatt ttgcagccaa aaactgtatg tatcaagctc caaccatcta taataaagtt 420
tnggggtccag ttccaagatg gnaaccaagg gttttttttc cgagacgtta agaaaagtc 480
ttcanccata attcttaacc ttcn 504

```

&lt;210&gt; 1313

&lt;211&gt; 864

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (815)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

821

&lt;222&gt; (848)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (862)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1313

```
ctgcttaatt gaagtgtaat atagggttgta gaattgttac ctgcagttct atgggttttgt 60
ttcacttctt ttctttttta aagccattct gttcttttga tgtgcttgaa aggggtgtgtg 120
attacaccat tgtaaatgct gggtaaaaac tatcttcttg cagccttgcc tcataacagt 180
ggaatttctg atagacaaac cacaggactt tgattttaag ccaaattccat ctccatccct 240
ttactgtcaa tcttctgtcc cagtagttta gcctttgtgg cttaggttat gatgcgcctc 300
cttctgtgcg accaatgaga cgacttcagc atctttttta aataatctaa gcatcattga 360
agcagtaaca caaaaaaaag gttcagtatt ttcttttttag tataacttac atcctttcaa 420
ataagtcttt gccctcatga agaatcccta gaggaagata aggaaaataa gtattttcca 480
gttttgcttg acagtttcta aacaaacaaa aataaactca atgaaaggaa agatgtttct 540
ttttagctga gatgacagat tgcttctctg tattaaatag tctagaagtt aaggggatgg 600
tcacatttac catgtattgt gttattagca gttaaatttt atgaatatgt ttgtaaaatt 660
gttggtttat atttcatgtc aaattgaaaa gtttatttct tcaactattgt acctgtggaa 720
atacaagcca ttttacagga aaaaatcttc aaaaactatt aaatggatat cagcctgttt 780
tgtgagccat tgtcttcaga ttctgtgggt gtccnggggt catagggcat tagtaggttg 840
tacgggtnga ccgatttttc cntc 864
```

&lt;210&gt; 1314

&lt;211&gt; 869

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (784)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



822

<221> misc feature  
<222> (836)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (852)  
<223> n equals a,t,g, or c

<400> 1314  
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gtgtgctgag gaggagaacc aagagctcat cgccaacttc aatgcccagt acatgaaagt 180  
tcagaagggc tggntccagt tggagaaaga aggacagcca acaccaagag caaggaacaa 240  
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attggagagt cagaagtgtt ctctgttca gatgctcttt atgacaaact ttaaattatc 360  
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aattctgaag acagcataga ggaagtcaag gaagatagaa acagtcattc tccagcaaac 720  
ctgcccactc cagccagtag ccggtattctt agaaaatatt ccaatattcg aggaaagctc 780  
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gttgggaagtt angccaagtt cgtaagagc 869

<210> 1315  
<211> 1832  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1823)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1829)  
<223> n equals a,t,g, or c

<400> 1315  
gccggtggct gctgtctctg ggcgggccgt gggaggtcc cgaggtgggg gccggggcgg 60  
gatggctgca gcggcgcccg gggccgggag cgggccctgg gcggcccagg agaagcagtt 120  
cccgcggcgc ctgctgagtt tcttcatcta caaccgcgc ttcggggccgc gcgaaggaca 180  
ggaggaaaaat aagattttat tttatcatcc aaatgaggta gaaaagaatg agaagattag 240  
aaatgtcgga ttgtgtgaag ctattgtaca gtttacaagg acatttagcc catcaaaacc 300  
tgcaaaatct ttacatacac agaagaacag acagttcttc aatgaaccag aagaaaattt 360  
ctggatggtc atggttggtc ggartcctat aattgaaaaa cagagtaaag atggaaaacc 420  
agttattgaa tatcaagagg aggagttggt ggacaagggt tatagctcgg tgctgcggca 480  
gtgctacagc atgtacaagc tttttaatgg tacatttctg aaagccatgg aagacggagg 540

823

```

cgtcaagctt ctgaaagaaa gattagagaa attcttccat cggatatttgc aaacgctaca 600
tttgacgtca tgtgacctac ttgacatttt tgggtggaatc agcttcttcc cgttggataa 660
aatgacttat ttgaaaatcc agtcctttat taatagaatg gaggaaagcc tgaatatagt 720
caaatacact gcttttctct ataacgatca gctcatctgg agtggattag aacaagatga 780
catgagaatt ttatacaaat accttaccac ctccctttty ccaaggcaca tcgaacctga 840
gtttagcagga aggggattctc caataagagc agaaatgcca ggaaatcttc aacactatgg 900
aagatttctt accggaccct tgaacctcaa tgatccagat gcaaaatgca gattccccaa 960
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aaaaaaaaaa aaacgggggg ccnccaana gg 1832

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&lt;210&gt; 1316

&lt;211&gt; 656

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (577)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (598)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (611)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (647)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1316

```

ggagttatca agtggaggag ggattagaac ccaggatatct tgagcccaag caatttgaag 60
gtgtttaagc taattctttt ctatgttttt ctggctgttt atgtactttt gaagtcttta 120

```

824

```

tctttctgtg ttaaaatatg tctatcggtt ttgcatttta cagcatcaaa aattaagaat 180
acttacattc ttctayaaat tgatgcttca aaatagaaaa tttggaattt cagaagctcc 240
agtacagtaa ctaatctgaa attattgatg cattttcttt cgtcagggaa taactttgaa 300
agattcaaat gatttcaaaa tccaactttc taacgtctgg gagagaattc ctcaaacaca 360
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gaaagaattt actttgggag gtacttaggc atgttatatt aatactaattg tacaagttca 540
gcaatttgta ggagtggaag gaattggatt aaagtanaaa gtcttaatat ctacacntt 600
aaaatgggga naagcctgtg aatgtgactt aatcaaatcc tggtagntaa accagt 656

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&lt;210&gt; 1317

&lt;211&gt; 2520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1317

```

ggcactggag tccgagtcg cgcactcggt acctgaacag gcgttacagg ccccttggcg 60
cctgcgtatt cgtgaagtgt gaaaaaagcg cgcctctggt gggacgggaa atcagccttt 120
ctattgggtca ggggttagaaa ccccgccctt gaggcatttt caaccaatgg aagcgcggca 180
ttcttcattt aaactgtcta taaatttctg cctagtcaaa gttaagagtg gcgccakgga 240
tttgaaccgc gctgacgaag tttggtgatc catcttccga gtatcgccgg gatttcgaat 300
cgcgatgatc atcccccttc tagaggagct ggactccctc aagtacagtg acctgcagaa 360
cttagccaag agtctgggtc tccgggccaa cctgagggca accaagttgt taaaagcctt 420
gaaaggctac attaaacatg aggcaagaaa aggaaatgag aatcaggatg aaagtcaaac 480
ttctgcatcc tcttgtgatg agactgagat acagatcagc aaccaggaag aagctgagag 540
acagccactt ggccatgtca ccaaaacaag gagaaggtgc aagactgtcc gtgtggaccc 600
tgactcacag cagaatcatt cagagataaa aataagtaat cccactgaat tccagaatca 660
tgaaaagcag gaaagccagg atctcagagc tactgcaaaa gtctctcttc caccagacga 720
gcaccaagaa gctgagaatg ctgtttcttc aggtaacaga gattcaaagg taccttcaga 780
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aatcactact ccaaacttta agaagcttca tgaagctcat ttaaggaaa tggagtccat 900
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aagtcagagt accttgggtc tgaaggggtc actcaagcgc tctgctatct ctgcagctaa 1140
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attcaagttg acaactgagg caacgcagac tccagtctcc aataagaaac cagtgtttga 1380
tcttaaagca agtttgtctc gtccccctca ctatgaacca caciaaggaa agctaaaacc 1440
atgggggcaa tctaaagaaa ataattatct aaatcaacat gtcaacagaa ttaacttcta 1500
caagaaaact tacaacaac cccatctcca gacaaaggaa gagcaacgga agaaacgcga 1560
gcaagaacga aaggagaaga aagcaaaggt tttgggaatg cgaaggggccc tcatthtggc 1620
tgaagattaa taaththttht acatcttgta aatattcctg tattctcaac ttttttccct 1680
ttgtaaattt tttttttttg ctgtcatccc cacttttagtc acgagatctt tttctgctaa 1740
ctgttcatag tctgtgtagt gtccatgggt tcttcatgtg ctatgatctc tgaaaagacg 1800
ttatcacctt aaagctcaaa ttctttggga tgggtttttac ttaagtccat taacaattca 1860
ggtttctaac gagacccatc ctaaaattct gtttctagat ttttaattgtc aagttcccaa 1920
gttccccctg ctggttctaa tattaacaga actgcagtc tctgctagcc aatagcattt 1980
acctgatggc agctagttat gcaagcttca ggagaatttg aacaataaca agaattgggt 2040
aagctgggat agaaaggcca cctcttccact ctctatagaa tatagtaacc tttatgaaac 2100

```

## 825

```

ggggccatat agtttgggta tgacatcaat attttaccta ggtgaaattg tttaggctta 2160
tgtaccttcg ttcaaataat ctcattgtaat tgccatctgt cactcactat attcacaaaa 2220
ataaaactct acaactcatt ctaacattgc ttacttaaaa gctacatagc cctatcgaaa 2280
tgcgaggatt aatgctttaa tgcttttaga gacagggtct cactgtgttg cccaggctgg 2340
tctcaaactc caccaaagt acttcttatt cattttatgg aaaagactag gckttgctta 2400
gtatcatgtc catgtttcct tcacctcagt ggagcttctg agttttatac tgctcaagat 2460
cgtcataaat aaaatttttt ctcattmaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

```

<210> 1318

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<400> 1318

```

aaatatgtgt cttttacagt cttttgtcat tctgacattt ctggattttt gctgttttat 60
aatttaccct ttgttattca gaagcatgct tactttataga aactaaatgg tctttataaa 120
agtaattact taaaaagaaa tctggggaag aaagatatct atctaataa ttaaatactt 180
ataaaacatt acattgcaga gggggagcta ctctaaata ttttcatgat ttgcatgggt 240
taatcagatt tttttttttt tacaccatat tagctacctt ttcaatggag aagagacagt 300
tcacacaatt cctgtrttag cacagatgtg gactgagtgc tttgtcacct gcagrgtagt 360
aamccagtga tgtttcttac agaagcacia tatgttgaaa atccnggggtg tgaccaatat 420
ggaataaaga agaaggcaga aagagagcaa atgaaaaatt tcaacttgta tattcatttt 480
ttacattttg ctttgacttt taaatttagg aagtcggttt ttacctgagn acaaagtgtt 540
aaagttcctg cgctactctc agtactctca ctgcccctcc ca 582

```

<210> 1319

<211> 1099

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1319

```

agccgggagg cgggaggcgg cggccgcggc ggctgctgct gctgcagtgg gacagggtggc 60
ggcgaccggc ggcgctccgag gagatttaat ccagagactg acttcactat agaaccacaa 120
gttgatcaaa tgggtgggga aagatagtgg caacaggcaa aggagaaaca gctctgacat 180
acaaagaaaa tgagtatgct aaagccaagt gggcttaagg cccccacaa gatcctgaag 240
cctggaagca cagctctgaa gacacctacg gctgtttagt ctccagtaga aaaaaccata 300

```

## 826

```

tccagtgaag aagcatcaag cactccatca tctgagactc aggaggaatt tgtggatgac 360
tttcgagttg gggagcgagt ttgggtgaat ggaaataagc ctggatttat ccagtttctt 420
ggagaaaccc agtttgcacc aggccagtgg gctggaattg ttttagatga acccataggc 480
aagaacgatg gttcgggtggc aggagttcgg tatttccagt gtgaaccttt aaagggcata 540
tttacccgac cttcaaagtt aacaaggaag gtgcaagcag aagatgaagc taatggcctg 600
cagacaacgc ccgcctyccg agctacttca ccgctgtgca cttctacggc cagcatgggtg 660
tcttctctccc cctccacccc ttcaaaccatc cctcagaaac catcacagcc agcagcaaag 720
gaaccttcag ctacgcctcc gatcagcaac cttacaaaaa ctgccagtga atctatctcc 780
aacctttcag aggctggctc aatcaagaaa ggagaaagag agctcaaaat cggagacaga 840
gtattgggtg gtggcactaa ggctgggtga gtccgggttc ttggggagac cgactttgcc 900
aagggggart ggtgtggcgt ggagttagat gagccacttg ggaagaatga tggcgctgtt 960
gctggaacaa ggtattttca gtgtcaaccc aaatatggct tgttcgctcc tgtccacaaa 1020
gttaccaaga ttggcttccc ttccactaca ccagccaaag ccaaggccaa cgcatanggc 1080
gaattatggc gaccacgtc                                     1099

```

<210> 1320

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (654)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<400> 1320

```

ggcctgatcc aagtgaccat tttcctttta gtttgacttt gggtgagttg cttagcttct 60
ctgagcctca ttttcttcat ctgtaaaatg ggggtgggtc gcattgttgt tggaggaacc 120
gaatgcctca cccatgggtg gtacttcata ctgttagtgg tgggcagggtg tctgtctcagc 180
cccctccaag gaattcacca cccagcgagg ccactaaaac ctccagagta agtcaatcag 240
ccatactaag gaaagtgcta agggggacag acaaggtgag aagagaatcc tgtgggctgg 300
aggctgcaag gaataagcca agtagaagga gaggaatccc agcgggagga atggggggag 360
caggggcttg ggagatgagg acaggccttag tgatgggttg tgggagacag ctcttgaggt 420
ggagagcagg aggtaggggg tgagacaaaa gtagaagagg gcttcagacc gcaggcccac 480
aaggaggagg tccatgagcc cctgaagctg tttgcacaat tgttcctgta catgtatttt 540
tctgcgcaag actctgtggg ttcatcagat tcttcaagta gtctggggcc attagawtc 600
cctgggtccag ctgggtgcgg tgactcatgc cttataatct tcagcacttt ggggnagggcc 660
ganggcaggg agggattcgc ctagagccca ggaagttttg gaggaccagc ctgnggacaa 720
ac                                     722

```

<210> 1321

827

<211> 255  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<400> 1321  
atttacgtat gttacatttt taagtatgag ttaaattgat ataaagtgtt cctcaatatt 60  
taataatgta agctgttgtc atgacagtat tttttaaaaa taataacgta tattatagtt 120  
acgaaacact tgtgccagat tagaacatca agcacagaag cagctgtatg atttacctgt 180  
twttttgaaa ctttaatggt taccttcccc katgtttaat tttnctgtgg tgaacacttt 240  
tgttagaaca tggct 255

<210> 1322  
<211> 246  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<400> 1322  
gcaaaaatac cataaactgg gtgtcttaca aacattttctg aaagttctgg aggctgggaa 60  
ntctaaggte aagggtccag caggtttggt gtctggcnag ggccattcc tcaactgcctt 120  
cttgctgtgt cactgcatgg tgggaggggc aagcaagctc ccacggcctc ttttacagcg 180  
gcccarratc cattggtgag ggttctgcca tcatcacatc atcaccacgt caccttcagg 240  
gctagg 246

<210> 1323  
<211> 339  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)

828

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1323

```

gaaaaacaag aaatagaaaa aaaggaagaa ggctgaacta aagcactaat tttatagggt 60
tagttttgtc agaatttagg acatttggaa tcctaacatt aaaagggaat ttatagawgt 120
ctgttcatac cttgtacagg aattctttgt acagcatccc tgtggaaggg cattttaacc 180
cacattcaat tccttcagtc ctaagaacca gtcceaaggc agcttgctcn tctagctccg 240
tagtagccac cctggactta catgtttgaa tgcacctggg agggttttaa aagatcaagt 300
tgcccaggnc acanctgcaa accaattaaa atcagaatt 339

```

&lt;210&gt; 1324

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1324

```

caatgccctt watatgtsct ctktgttcag ggaccytggc aggaaacact cgaattgggt 60
gatttragga gattgtggta aggggacagt ttacaaagct gtgggcatgt ataggaaagc 120
gcaagggaata ggacaggggtg ccgggctatt tatagtgata ttcacctctg gcctgatact 180
gggaggaggg ggggtgctcc ctgggacaag accctatgga tgaggcttcc tgacaagggg 240
agactgtgac cgtgctccct cctaccagag ctccctactg gccagccca agcagaaaca 300
agagcccatc caggtccatt cgtgtcatct cccaccgccc agtgcagagt ggagaaaagg 360
tctgga 366

```

&lt;210&gt; 1325

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1325

```

aaacaatttg cttctggaaa caggacagcc ggggccgtgt tcctgcaaca gcagaccaag 60
caccgcgggc ggaccaggc aagcacggaa caagctgaga cggatgataa tatggataca 120
aaatctattc tagaagaact tcttctcaaa agatcacagc tcttagaaat gtgctacgat 180
gtctgtgaag gcatggcctt cttggagagt caccaattca tacaccggga cttggctgct 240
cgtaactgct tgggtggacag agatctctgt gtgaaagtat ctgactttgg aatgacaagg 300
tatgttcttg atgaccagta tgtcagttca gtcggaacaa agtttccagt caagtgggtca 360

```

829

gctccagang tgtttcatta cttcaaatac agcagcaagt ccanacgtat gggcatttgg 420  
 gatcctgatg t 431

<210> 1326  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (48)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (138)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (295)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (392)  
 <223> n equals a,t,g, or c

<400> 1326  
 taatttttcta ttttttagtag agaagggggtt tctccacgtt ggtcaggntg gtctggaact 60  
 cccgatctca ggtgatccac ctgcctccca aagtgtctggg attacaggcg tgagcaccac 120  
 gcccagggtc tgacattntt gaatatccct atcaaccct ctcacccacc caaagcctgc 180  
 tgctcaaagc agctctaagc agaagagatg gagaaacatt cagactgggt ggagcatggc 240  
 ccaggctgtg ttgctgcca cttctgtcta gatgggcagt tcttgacttc cccgnetgac 300  
 gctgctgagc agccacagtc ccgactgcat tctggcttgt acccttacta tagtgccagc 360  
 cacagagagc agccagcagc attttaagta gncaggaaaag gcccttctca cagcagtgtc 420  
 tggg 424

<210> 1327  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (303)  
 <223> n equals a,t,g, or c

<400> 1327  
 gcttttttct aattgaagct tggcaagcrg agggaaatgt attagggaaa tagcttttagt 60  
 tttgagtggg tgtcagtagc cagctgaaga aaaagcmaaa tgaaataggt agtagaaatg 120



## 830

```

agaaggggaga gagggaaaga aagaaaaaaaa tggatggttg aaatttttgtt gcatgtttctc 180
tctggatact ccaaaattat cattgtgggtt attgcctcac ttggcttttg ttagccatga 240
aaaaccagga acatttccac taccatttcc tgaccatcca tcaaccacaa ttttttaggca 300
ttnggttaaa atttt                                     315

```

<210> 1328

<211> 1867

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1328

```

cagttttctca agcgaccgat gttgaggtgg gaactgacct tgtcccttct gtcacgggtga 60
aggtcacact gcagaacaga gtantattgc aaaaagccaa attatcagtc tacgtgcaac 120
caccattaga attgacttgt gatcagttca cttttgaatt tatgaatcga aatcctgatg 180
gcattccgcg agttatccaa tgtaaattta gacttcccct aaagttaatt tgcctaccag 240
gtcagccttc aaaaactgca agccacaaaa ttactattga taccaacaaa tctccagtca 300
gtcttcttag tctcttccca ggttttgcca gtcagtcaga tgatgatcag gtgaatgtaa 360
tgggttttca cttcttagga ggtgctcgaa ttactgttct tgcttccaaa acttctcaac 420
gatatcgcat tcagagtga caatttgaag atctttggct cataaccaat gagcttattc 480
ttcgcttca agaataattt gaaaaacagg gagtcaaaga ttttgcatgt tcttttctcg 540
gatctatacc cttcaagaa tattttgagt tgattgatca tcattttgag ctacggataa 600
atggtgaaaa attagaagaa ctcttatctg agagagctgt acaatttctg gccattcaac 660
gccggctact agcaagattc aaagataaaa ctctgcccc tcttcaacac ctggacacct 720
tgtagatgg aacctacaag caggtaattg ctctagcaga tgcagtggag gaaaaccaag 780
gcaatctgtt ccagtcattc accaggtga agagtgccac ccatttgggtg attctgctga 840
tcgcgctgtg gcagaagctt agtgctgacc aggttgctat tctggaagcg gcatttctgc 900
cgctacaaga agacactcaa gaattgggct gggaagaaac ggtggatgcc gccatttccc 960
acctgttgaa gacttgccctg tcgaagagtt ctaaggagca ggctttgaac ctcaacagcc 1020
agctgaacat acccaaagac acaagccaac tgaagaaaca tatcaccttg ctctgcgata 1080
gattatccaa aggtggccgt ctctgcctaa gtaccgatgc agcagcccca cagaccatgg 1140
tcatgccagg tggttgtact acaatcccag agtcagacct agaagaaaga tcagtagaac 1200
aagactctac agaactgttt accaaccaca gacatctcac tgcagagaca cccaggcctg 1260
aagtttcacc cttccaagga gtctcggaat aattcaagta gaggttgttg gttgagagga 1320
acatccccat ctcaaggccg aacctgtgtg aacctcatgc caagcacaga tatagggtctg 1380
gcgcaggtgc ttcctaaagc tcaccttctt ggagatgaca tgcatagaaa gaggggttg 1440
gactttttac ttcactagga gaaattgtaa caccatgggg aagtcagctg aaacttgtct 1500
tgttttgcca ggaaaggaag tagttgcctt tggatcatcca tctgctaata gtcacagaat 1560
acagtgaaat gacatagttt tgggttagat ttataaatgc aaagattcag atccaaaata 1620
atttcatacc ccattttttc acagaattct tatatagtaa atgtatcaag ttaataaag 1680
catctcattg tcaaataata tcttggattt tatttataat tagagggatt tatgagtgat 1740
tgctctacat tatttcttca aaggaaagga aaggaattga agactttgct actctctggt 1800
aagacttgaa tgtgattatt ttataaataa ragaaccact atgaaacttt aaaaaaaaaa 1860
agtcgac                                     1867

```

<210> 1329

<211> 537

831

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1329

```

ggttaaaata taaccacaat gaatccgaca agtcactgca aggactgtgt gctttatattt 60
gatttgtcat caggaatagg cgatacactg tttggacatc atgaaggaac aatgcaaaat 120
ccatcccttn aaaattcatt ttttaagttcc atagaagatc caaaaaacca gactttttaga 180
gtataagcag tcaaacttaa gaaaatatta tatttactta tgaatagatg ctaagtcaaa 240
agtaagtccc taataaattt taatgtactg ttgttcaact aatgttccta gtcatttggg 300
ctcagtagtt cagtcattta tcataatgtg tatcaagata gttactggat attgaggtat 360
tgtttataac attacaaata gaaaaatcct agtgtttggg ataggaaatt aatcataatct 420
tgtcgatcca aacagtggag tgcttttctg gacattatag atgataatgt aggtatttgt 480
tgatatacag agataccaga aaaaagccca tatttacgat ccaatgccta ttttgta 537

```

&lt;210&gt; 1330

&lt;211&gt; 1351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1330

```

ctcagactgg tctcaaacac ctggcctcaa gtgatcctcc tgccctcagtc tcccaaattgc 60
tgtgattaca ggcacaagct actgcaccag gcctctgact acatttctat taatatgggtt 120
aggttggagg ttttagtatt tttgtatctc atatttgtat caatatgact ggcttcttttg 180
tctgtagtgt gtggaatat tagttctgta aactgtcagt tgcaaaaaaa aaaaataacct 240
tgaactatag tatatgttga taattagcca taataatttc ttagttaatt tcttataatt 300
aaatttgtca aagaggaaac ttacagttta tatctgatga aatctctaaa aagatgggta 360
aaacattggg aaatgtatgc atgtacttca ctctggtttc atagggttag caagtgtctt 420
aaaaacatat ataaagaagc acagagattg ttaggagata tttatgctcc cagttttaat 480
aattgggata ctttgtatac cacagaaaga aaaattacta aactcctctt tttttagtca 540
aaattggaaa aaaagtctta attgacagtt actatgcctg tgctacccat agcaagtatt 600
cagtggaaaa tactttacta agtaagtaat ttgaacacag cttaaaatcc atagtatgtt 660
acaattgcta gcctttcaca aagtttgcac tgtcttaatg tagaaggata ctgtgatcta 720
agaattcaca attttaaaaa gtggaaccta aatagggttt cctaattgcc atgaagtatt 780
ttgtatctta gatgaattat atttacaaca ttgtaaatgt cagtgggtga tccaraataa 840
attgtttrrag ttattaraat gtacatttra gtaggtttca gtttgactag aaataattgg 900
caagaaggca agaactagtc ttctagagca gggatcccat ccccagggtc atggactggt 960
actggtccat ggcctgttag aaaccaggcc acacagcagg agatgagtgg aaagcaagtg 1020
aaacttcatg ggtattttaca gcaattcccc gtcgctcgca ttaccacctg agctgtgtct 1080
cctgtgagat cagcagcagc attagattct caaggagcac aaacctttt ggaactgtgt 1140
gtgagggatc taagttgctc atttcttatg agaatctaata acctgatgat ctgttgttgt 1200
ctcccaccac ccccgatgg gaccatctag ttgcaggaaa acaagctcag gctcccactg 1260
attctayatt atagtgaagt gtgtaattat ttcattatat ataacaatgt aataataata 1320
gaaataaagt acataataaa tgtaaaaaaa a 1351

```

&lt;210&gt; 1331

&lt;211&gt; 1231

832

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1331

```
ctgaacactt gaaacatgat gaaagagcca cagagttggc agaactgttt gaaaatgctg 60
tgcaagcggg cttctctgtc ttctttatgg ccagtaaaat tctccagaag agatttatgg 120
cagcctcact ccagtagtt tctgcattta gtgagataag gaatggattt tcttctgtgt 180
attgctgaca cgaacaggag acggaaatac tgagtagaag agrgcggttc cctgctaagg 240
ccccaccctc aagcctggat acccgcggcc ctaaatgaga agaggcgttt ctgtttgggg 300
cccaaaaagt tgctttttga cccaccacgc cccctatcct gccccatat aaaccccaaa 360
ccccaacctc cagagcatac cagcaggtga ggagatacga ggcaagccga ctgacggcaa 420
aacgacgtag cagagaaaga gagaagagga gggacgtctg gacaccgaga gatgtttggc 480
tcggggcagt cagagcggag tccagccctt gggcgcccca actccagggg aagatcacct 540
tcccacttca tccatcccca ccttccagc tcccatacca tcttctgtaa agccatttcc 600
accactcaat aaaacctcgc attcatcctt caagtcctgt tgtgaccgga ttttctctgg 660
attctggaaa agagctcgga atacagaaag ctgtcccttg gtcttttgcc cttgtgaaaa 720
agcagaaggt ccattgagct ggtaaacact ccagctgtct gtggtggcca agctgaaaga 780
gctttgtaac actgggggtg caggcaccca cctctagacg ctaccgcaga gccagagccc 840
aaagccctca ccccggcctc tgcacttgcc catctgcgtg ctccccctct cgcaaggggt 900
ttctgcagag ggggctactg aacaggtgag ccacacccct gtcgcacgcc ctgcaagggg 960
aatcagggaa ctcttccgtt tcattgcttt gaccacatcc tataaatctt gttctccttg 1020
tctttcagct ccaatttggt tatacattca gtttttactt ttgactttac tcatgattta 1080
ttatagaaag atgtttaaca attttcaagc aaatggaata atttttgctc ctctttcgtt 1140
gttaatttat tattcattgg agttagaaaa ttgttgctaa aataaattct gcattttgaa 1200
atttaaaaaa aaaaaaaaaa aaaaaaaaaa g 1231
```

&lt;210&gt; 1332

&lt;211&gt; 1280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c

833

<220>  
 <221> misc feature  
 <222> (133)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (154)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1166)  
 <223> n equals a,t,g, or c

<400> 1332  
 cacgacaggt ttccccgactg aaaagcggnc agtgagcgca accccantta atgtgagtta 60  
 gctcactcat taggcacccc agnctttaca ctttatgctt cccggctcgt atgttgtgtg 120  
 naattgtgag cgnataccaa ttccacacag gaancagcta tgaccatgat tacgccaagc 180  
 tctaatacga ctactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc 240  
 gggtcgaccc acgcgtccgg gaggcagagg ttgcagtgag ccgagattgc gccactgcac 300  
 tccagcctgg gtaacagagc aagactccat ctcaaaaaaa gaaagaaaga aaaaagaaag 360  
 tacaagttta taaagtatta tagtgaaaaa ttgcgattct ggctgatttt aagccattta 420  
 aaatttataat aaaacaacct tccataaaaa ttgacaggt gccagatgt tgctttctcc 480  
 atttattttt tgtttttttt taatcacagt aggtctgata gagaattgga gctaaattat 540  
 aatatttttg ttggtaaagt tgagttatat acttgtagat acaatggaaa tgcttttagt 600  
 agtgattatt tagcaatttt tgtttttgtt atattaggca tgtttggagg ctttcctatt 660  
 ctagcattta aatttaaatt ttattaaaat taataattt aaatctagca tttaaattta 720  
 aataatttaa gtctagcatt tactttttaa taattataat gaagttttga aataactaagt 780  
 taatccagac ctttagttgt cccatgggtg taataaaggt gccaaagaag atgtattatg 840  
 aacaattcag caataagaca attgtcaaca cagttgagaa taacaatggg aatcgtagt 900  
 aatattttaga attggaattt gcctactgaa atagttatag atgattactt gtgatgtgaa 960  
 actgaattga gcatgacaac cagacatttc cagttgggtt tgtaagtttt gagaatctag 1020  
 atactgggtt ttattttttt aaagattagc tctgtttgta agggctgatt ccttgaaaat 1080  
 gtaattttcc agaaaaacac ctaaagaaaa taaaacatgg acatgcctag taaaaaaaaa 1140  
 aaaaaaaaaa aaaaaggggc ggccgntcta gaggatccaa gcttacgtac gcgtgcatgc 1200  
 gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtg ttttacaacg 1260  
 tgtgactggg aaaaccctgg 1280

<210> 1333  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 1333  
 ttggccaaag aggttaaacc ccggggggttc cccgggggaa aaattttccc ccccgggggg 60  
 gktyccggaa accccccaac cggccccggtt yccccggggg ttcccaagtt taaaacccca 120  
 aaatttgg 128

<210> 1334  
 <211> 438

834

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1334

```
catgcgcaag gagaagcgcg tgtacagccg cttcgagggtc ttctgcaaga aagaggaggc 60
cagcagccct ggggcagggg aaggccccgc ggaggagggc accaggggac agcaagggtg 120
gcaagtctgt gcccaanatc ctgggcacgt tcaaaagcaa gaartgatct tctggcctgg 180
caaccargc caggtgcccc catcgctgcc ccggtcatcc agaaccgcc ggaacarara 240
ccctgctcat gtgcttgagc agcggctgtc agccacggcc gcttggggct tggctgagtg 300
cgccagacct cggctccact ggaggctcaa catgcagctg ccgtctctgc cccctggcct 360
caccaacagc tgggctgcac ccctcgccac cagtgccttt ctccccctcag caccttcac 420
tctgcaccgt cagccttg                                     438
```

&lt;210&gt; 1335

&lt;211&gt; 350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1335

```
gctcacttta cctctcagag actacttggt gaatttctgc actggtgtgt attctcttgc 60
ctggcaagtt aatagactaa gtttcacttt gtgtgtgtgt gtgtgcatgt gtgtgtaagc 120
actggtggtc tttgttttat tctttgtttc tttgattcct gtgccacctc ccttccccat 180
tctcccaaaa aagacaagac aaaattaagc acaaatectc acatttktgt gtgtttatca 240
katacactta caactgtgcc cattattatg tcaagttaca taccttgcaa aatatgggtt 300
gtctcctata ctgctggctt gcactctacc ttggaaggca aaaaanaagg                 350
```

&lt;210&gt; 1336

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (417)

&lt;223&gt; n equals a,t,g, or c

835

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1336

```
aagggttttga ctgtgttggg gtggggggtg ggtaaggga tggtaagac tgagaaagga 60
atgaaatcca ttcaggaaat atcgacaggg ctacacrtga tgtcccaaaa ctgctgctat 120
tgaagaactt cccaaaactt ctttaciaag ccctaaagga aagtttgcat ctatgaaaag 180
ccaataggtg agacatccaa ttgctgcatg gaaattgatg tacattcagg ggacggcaaa 240
aatagctgta aaatagtga aaagagcagt ggttggtgctc ttttctggcc aatgrtttac 300
aaaaggaatc tacttggact tctgtcccgg gggtkgaaat ccttaggggt tkggaacttg 360
tgggggaaca tttcccaact tggctaaggc aggggttcen ctgggggagg ggaaggntct 420
attctggggg aanttcaccc ccccggcggc accacacttt tcccccgagg gttccccaag 480
ggccccgcag                                     490
```

&lt;210&gt; 1337

&lt;211&gt; 748

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (676)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (734)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1337

```
atagaattct gatgattatg accttctgat aatgaacact ttttccttta gagtgattta 60
aaaattttctg tatTTTTgaa atcagtacta attgtcattt ttttctctca cagcttcata 120
ttctccaatt cagcctcatt ctctaataaa acatcagcag attcctcttc attcaccacc 180
ttccaaagtt tcccatcatt agctgatatt acaacagcag caacagcaaa ttcagccaat 240
cacacttcag aattcaactc aagacccacc cccatccag cactgtatac cactccagaa 300
ccatggcctt cctccagctc ccagtaatgc ccagtcacag cattgttcac cgattcagag 360
tcateccctct cctttaacag tgtctcctaa tcagtcacag tcagcacagc agtctgtagt 420
gggtgtctct ccaccacctc attcaccaag tcagtctect actataatta ttcattccaca 480
agcaattatt cagccacacc ctcttggtgc atcagctctc cagccagggc caaatttgca 540
gcagtccact gctaatacagg tgcaagctac agcacagttg aatcttccat cccatcttcc 600
acttccagct tccccgttg tacacattgg ccagttcag cagtctgctt tgggtatcccc 660
aggccagcag attgtntctc catcacacca gcaatattca tccctgcagt cctctccaat 720
cccaattgca agtnctccac agatgtcg                                     748
```

&lt;210&gt; 1338

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 836

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1338

cctaggcctc ctattttattc tagccacctc tagcctagcc gtttactcar tcctctgac 60  
aggggtgagca tcaaactcaa actacgccct gatcggcgca ctgcgagcan ta 112

&lt;210&gt; 1339

&lt;211&gt; 622

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (556)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (573)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1339

ncgtcgagga gcctatgaat gcgatatcag cgttatcaga aagscgaaaa aaacttaagt 60  
tgaaccatyc taagtccggg actgtctrtc cacccttgcc gacttgacct ctttttccc 120  
gttctctaga gtcagtatac caccagcccg ttctccaccc cgcaaggcgt gctttggaag 180  
cctgactcta atcgcgctct cccctgccta aaacctgct gtgatttccc attaccetta 240  
gtacagagcc acattcetta acgtgtccga cgtggtcgg ccctcccaca cgtctgcagt 300  
ttcgttttcc gccagccttg gsccttgctt ctgctcttcg gttcctcaca ccatgattcc 360  
tctaggccar gcgtttgcat gcgctgtctc scctgtaaaa ctaacttccc ttcccttggtg 420  
ggctcagatc ccggctcagg tagcaggtgt gagggtcaagc agaggagggtg aatcttcttg 480  
gagagcaggt agcatagtaa gaagaaaggg ccatggtcag aacctggag aacaccggta 540  
attaagaggg aggganggag ggaanggat tanggaagga acagttgata ggaggagaag 600  
cagagtgcata tcaacgaaac ct 622

&lt;210&gt; 1340

&lt;211&gt; 624

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

837

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1340

```

gtaacaggag gatatcgtaa ttttctactg ttttattcct ctgttagacc gggccttgac 60
atgaatgacg ccgtaaggga naaagagatc ttcccaatca gcaatcaccg taaaagcctg 120
ctgtgttccc gttaaaatta ggaaattctc actagatgaa ttgacatggg aggcatttag 180
atttctaata gtcacatagt aattctgcgg aggaattgag tcattcttga tagccatgga 240
attaagcgat gtttaattaaa gtgcaaaaga taacctttct gttcttacta gaatagagta 300
ataaaaagaa cctagggtttt cttttgtttg ctggaagaaa aatcaaaatt ctttagttct 360
gtcaaaccag aactcttgaa agcactttga acaatgcctg gaaaataaca ggtactctgt 420
aatgttttac cttctctgca agtgcctgcc acgtgcccga agaaaagaca cattaataag 480
ttaagtgaca ccagtcctga ttttatatat tttatatacc taacaacgta tatgttagta 540
tgtagaaatt atatccttga cctttttccc tacctattac gaactgtact tttattaaaa 600
gctgccactt aaaaataata aata                                     624

```

&lt;210&gt; 1341

&lt;211&gt; 962

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1341

```

tattcattct tttggtcacc tagggatctt ctaagtgtga tattactttc agagaattca 60
gacaagtgag aaacaataat gtaggagtca gcaaagcaga attcagagac ttcagccaat 120
cactgctgct ctgagaggat ccagttagag actcagtatc agcggtcaga acttatctca 180
ctcctgtgaa ctttcagggt ggacttaaag ctgccaaagt tccccctgcag gaaggaaaca 240
ctgcytccct tcagcaggta gctcatttga aagccaamca ggcaaacgat cctggcctct 300
cccgccagct gaccgctctt cagcatccat gcggtttgta gtcgtgactt tctcagtcac 360
gatcaagggg gattttttct taaatatcaa gctgttcttt gaacagggaa tgaacatgag 420
tttttgtaac gtgactgaag ttgagtttaa gtaggaagcg caggaagttc ccaagtgcc 480
gggtgtgtga gctcagagtt ccttttacag tgagggtgtc ctcactgggg gagcttccak 540
gatcctgagc agactggaca caatcatctc tcccttctc tatgtcaagc actgttacia 600
aagactgtga gcaaatttcc atctaaatat taataattct gaagaagagg caaaactgtt 660
gaatgcaagc gatacctatt gttgaagaaa cccacaaatt tctgattcta agatcagggg 720
atacaacaaa atctacaagt catttcaaat agcacacagg aatcaaactt tggtaaata 780
tttctgaggc acaattaaat atattgtagc actatgttaa ttaattatat taaatgtcga 840
ttcatcttga atgtattctc aattgcctac caaaaattgg tatgattatc atttctgggt 900
ctactgattt ttcatcatgg caacagaaat tgtcattaaa tagaattaag atacaaaaaa 960
aa                                     962

```

&lt;210&gt; 1342

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)



838

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1342

```

agcgttggtta gtgcatgaag acaagctgcc agaggggtttt ggttgatatgt tacacagtgt 60
gactagtctcc tatctaaaaa ttagtgtact gtatttagct ctttatttaa aagtgaacac 120
taatttaact tatcttaaaa tattttaata gttcagacta ataatcatgg attttatggg 180
gattttgaaa gctttgtgtc aagaccatat ttttaacaat atcagaagct ttnnantaag 240
gtgcttggtg ctgagctaata ga 262

```

&lt;210&gt; 1343

&lt;211&gt; 833

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1343

```

cggacctggg gcgcctttgt ctaacagatc tcggtttcct aaaaaactaa accgcctggg 60
gctgtcgtcc cagagcccgg cagttaggac catgcgggaa gtgtcctggg gcatatagtc 120
atactgatga ggtgaaagat acacctcgga accaagggcc accctctact ttttaaggaca 180
atggcgccgg gaccaagaaa ctacacttcc cagaaaaccg tgcggccgtg gcaaactctt 240
ctgggtctag cgtgcgtca cactaatgtt tatctcccgg gacgtgggca gacctgtac 300
caggcgagct ctgcctttg ctagcaaaag agctcctctc ttcccaaacc ctgctactac 360
gctgtccacc ctgtatggtc tttgaggtct ttgaggtttt tttggaattc acttgctgga 420
gactacagct cacagaacgc cctgggctgg attgtgccag ctgtagttcg cgaaccaagg 480
acatttcctg gaaatgcatg cggccacgta tctgtgacag aaatggcagt tctcacgtgc 540
gttacgcccc ctggaaggac ttggaaatac ggaacttgag tgagcactga gaggacacag 600
accctcatcc tgggaggagt cactcctccc gcagccatca gagcctgaca accgcttctc 660
accagaggcg cttcttagac cctgaccttg cccggetcac ccaaaggggc aatggccttc 720
tttgtatgca agccagacag tctactgttg tatatttgaa ttttttactt tatttttaat 780
attttaatta aattttaatt taatgctgaa aaaaaaaaaa aaaaaaaaaa ggg 833

```

&lt;210&gt; 1344

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1344

```

tgagagtctg acatgcatat cataatttta tgtcaggtat tatagatatt ttgaaatggg 60
gactgactct tttgaaatth taagttcttt agaattgtgac gcttttaata tagcctctgg 120
tttttagatgg agaaacacta tgctattgtc attaaaaatt aattctattt cccaattgt 180
ctaataatatg tcttaaaaaga tctttcatat tgtgaaacat cagaggggtac aacctttgtt 240
cttcagttta ggtattaaag agcacacaga atactgtgtg attaaacatg taaggccaga 300
taatgcatth gcaaagggtc ctttatttta ggtttaagcc tgcataattg tggctttaat 360
ctcaggatag caagaaagag aattgtacat gaaagtatth acacaaagtt cccaaagccc 420
tgtggattat gcattagttt agataa 446

```

&lt;210&gt; 1345

839

<211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (299)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (345)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (361)  
 <223> n equals a,t,g, or c

<400> 1345  
 aattcggcac gagcagacct ggattgactg aggtgaaggg gtccttgca gcaatcacac 60  
 agaaggctcg ggtcttaaga ttggccctgc tcctagtcaa gctgtatgaa ccagggtagt 120  
 cactccggct ttcagggcct tgatttcctt gtctgtaaaa gggactttac gatgcattctg 180  
 gcaacctcac cttcctcact gggcaatktg aagaccaaag gccggcaatg aaattcccag 240  
 cattaggttt gtcatatagt agtcctctct aagcatttgt tgaatactca caggacant 300  
 taggccagtc agcattattg aaataacagg tggggttttt ttantttgt ttgttctttt 360  
 ncgaat 366

<210> 1346  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (340)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (425)  
 <223> n equals a,t,g, or c

<400> 1346  
 ggcaagggaa cccaagctg cagaagctga aaggcgggtga ggaggggcct gttctgatgg 60  
 cagaggccgt gaagaaggtc aatcgtggca atggcaagac ttcttctcgg attctcctcc 120  
 tgaccaaggg ccatgtgatt ctyacagaca ccaagaagtc ccaggccaaa attgtcattg 180  
 ggctasacaa tgtggctggg gtgtcagtca ccagcctcaa ggatgggctc tttagcttgc 240  
 atctgagtga katgtcatcg gtgggtccca agggggactt cctgctgggc aagcgagcat 300  
 gtgattgaac tgctgaccaa aatgtaccgg ggctgtgctn gatgccacgc agakgcagct 360  
 tacagtcacc gtgactgaga arttctcart gaggttcaag agaacagtgt tggcttgtca 420

840

aaggnc

426

&lt;210&gt; 1347

&lt;211&gt; 567

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (556)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1347

```

gggcatcact ggtctcgcgt gcgcgtgacc aggncccggt ttccggtgcc aggacctttc 60
cgaagcgctcg agtggcctaa cggtcacagc tgtcgcccat cggagaggca ggactactgc 120
gagcagtttt accgcgacct ccggagccgg cgtgacaggc tctgtcayta aaataggtct 180
gtccagtcgt actttttcct caccttgaac ttcccgtcac gggaatacac gatttggctt 240
aggggcccggg gctctcctga ggagagaggg ttgtctttgc ggggaagagc gagtcttgac 300
ttcgcagcct ccaatttcag ccgcggtgtg gaggggggtg ctttgggtgg tccccacagc 360
ctttccggag tgcccgcgcg tgtragcttt tgagatttga caatttgtga rgtgcttggt 420
gctgactttc ggggacgaca ggatcctttt acagtcattc tcctgtcagg graggcargt 480
ggggagcgag gaagatcaga wtcgtaacag acttgagtta aagaattgac aaactcccga 540
gntgatttcc tgtcanacct ttgcggtg 567

```

&lt;210&gt; 1348

&lt;211&gt; 582

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (571)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1348

```

ccacctggag ctgcttctcg agttggcaca ctatcgtgta cacagcagtc ttcagccccc 60

```

## 841

```

tggaaggagg ccatagtcgt gtgaggatgg caaagtcgaa caggaagctt tgagtgcctt 120
cctccacgat gtcaacgagg agatccagtg ccagatcgag gtggatggaa caccagggg 180
taggggtgca ggtgtgggca gtgatgtccc ttccctccc tccctgggc ccacagactg 240
tggccatgag gntgcaggct ggtgctatga cagcagattg cagcacaggg ccctcccctc 300
cagccccag tgggacatca aaaccaccct ggggccattt gtgcagggca ccacctccag 360
tattgatggg gaaaataaac tcagtagagc cacgacaggg tggagagaag cagggaccat 420
tgtcttctc aggagcgtga cagctgacct cacagacct gcttgctggt acacactggt 480
cccagacca gcctgtcgga catcagcagt gtgctaataa cgtgtaagat gtcatastta 540
ccgtgtgtct atctagttga catgggtgga ntcagtaagg gg 582

```

&lt;210&gt; 1349

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1349

```

ggatacgaat tccctgattt tctaattgct ccagcaacac ctgttggtta tttccacgaa 60
atgcctgtcc ctgccagtca atatctacat ttgcgtccgg ttgttgctg atgttggcgg 120
tatcatcagc ggcagctgcy ccgtaaattt ttgccggacc gttgccagaa tttccacctc 180
atcgccaacg cgaatcacgc cgctattacg ggcaattaaa ttctgaccaa aatcgacatc 240
gccgttatcc tgggcaatgc ggaaaagatn gcatgtttt 279

```

&lt;210&gt; 1350

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (522)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1350

```

cagnagagctg aattctgaag cctgagctac tgagaatgct gataaaagat gttataagga 60
ctgtgttgga acctgctgtg accacccgcg ttcataatgt tataacatag caattcagaa 120
tagtaacgta tgccctcat gaaaagccaa gcagtgcata aatccactcc aaaaagccag 180

```

## 842

```

actccctccc agcactgagc cccagcttct gtgttccctt ctccaaaggc agtgggttgtt 240
attagttact tgcataatcct gttggatatg tgttttctat cagggataaa ctatacagat 300
atgcayttac aaacatatca tattatttat ccttgacaga aaacacaagt gaagtttagc 360
cgacgatata cattgtccta caccttgtat tttagatcta acattgcctt ctagagggtca 420
acagtacaca tgaaartgcc tacgtctttt cattagctgg acagcatgct gttacatgta 480
tangttaata tccgaacctc agtctaacca tacctactgg gnccttta 527

```

<210> 1351

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

<400> 1351

```

aaaactggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca 60
ggaattcggc acgagtaaga agagctgggt gtgagaaatt agagataata cggaatctta 120
ttaatttggg gtcacgatat atagtaattt ttcactaatt tctgacccaa ggaaaataag 180
caattagtag taactacat gctgtgtttg gctctagagg gcatttaaatt ataaaaattg 240
ggtaatntta tgtatgtttg acaaataagt ttcattttac aaatgagttt tgccaaatat 300
tttacacact tctagtatcc ataccaaatc tttttaatga gctctaaatt ataaaagtac 360
aaaaagccac tggaattgag aggatgtttg caaagaagga aatcctgtgg tataaatgac 420
ccaaatttat agtattttca ccatactgta actagattga aggatttttc tattgcattt 480
tgtaatttgg ggaaaacctg tttattttct ctgtcagact tctcttaatc ggaaatatat 540
atagtaaaat gtacacaaaa agtacttttt acattatagg tcatttttaa gttaacagta 600
ttgaaatatt taanatatag gcgaggcatt cactga 636

```

<210> 1352

<211> 554

<212> DNA

<213> Homo sapiens

<400> 1352

```

ccatagtaac tttatttttt ataatagaat tttctatttt tgaccaaaca taaaatatat 60
ggatatgggc caggcatgat ggctcatgcc tgtattccca gcactttgga aggccaaagc 120
aggagactcg gttgaggcca gtagtttgag accagcctgg acaacatagt aagattcatc 180
tctacaaaaa aaaaaattag ccggatgtga tggcacatgc ctgtaatccc agcactttgg 240
gagtctgagg caggaggatc ccttgagtc aggagtttga ggcttccatg agctttaatc 300
acaccactgc accccagcct gctgacaga gtgaaacct gtctctaaaa agtctgaata 360
tgaaaattat attggcagca tactcagaca taaactccaa agttgtctct acactgattt 420
cacatctgca taattttctg cataccagc aggtgaattt tcagtttttc tgggagacaa 480
ttttgaagag atggtgaaat agaatgggaa gttaaggagg ggaggtaaaa tgtttttaat 540
gagaagaaca aaaa 554

```

## 843

<210> 1353  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (672)  
 <223> n equals a,t,g, or c

```
<400> 1353
atagccaatt ctaagggatg tacttctggt attatcaaca aaaaccttgc caacagctgc 60
ggcactggct actctcacct tatatgttta gtcccaaga tagcttgccc tttccgaac 120
agcagtcagc tcgactgtgc cactaaaaca gacaaatatt tgctcgggaa tcacaaccac 180
ggggacttgc tccccaggt aggaccatgg tacatatttg tgtgtatatt atgggtgttac 240
atgcagatta atactttcaa ttaatcctcc tagttgcctg taacgttaac atttcaagat 300
gcatttagat atttttatcc tgtaggagga ttttgtttat ttgagggaaa aaaagggctt 360
ttaatgtatt ctctcaaaa accatttaga gaaaacagat aagtaaaaat aaratttaaa 420
ttaccatatt tctattttaca gggatgagca cattaacatt ttatgtattt agtgatcctt 480
tttctcatg tgtacacata tgtttttgtg tgtttagtctt gcttgccctc cccatagtct 540
gaaatagktc tatgragttt atattawttt taaacytgat catatmcaaa ttttcaggga 600
aacaaccac tctagctatt tggaggaggg aatgcaggtt tatattgggg gagttttgga 660
aactaccatg gnttccttac caa                                     683
```

<210> 1354  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (399)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (424)  
 <223> n equals a,t,g, or c

```
<400> 1354
ttgtgatatt ttgactttgc ttgtagctgc tccccgaact cgccgtctts ctgtergcgg 60
ccggcactgt agattaacag gaaacttcca agatggaaac tttgtcttcc ccagatata 120
atgtagctga gattgtgatt catattcgca ataagatctt aacaggagct gatggtaaaa 180
acctcaccaa gaatgatctt tatccaaatc caaagcctga agtcttgcac atgatctaca 240
tgagagcctt acaaatagta tatggaattc gactggaaca tttttacatg atgccagtga 300
actctgaagt catgtatcca catttaatgg gaaggsttct taccattcag gcaatttagt 360
tacttcatct gtggagtaaa ggagtggatt ttattgtcnt tcgtcttaca ttctgtattt 420
tatnacataa gttt                                     434
```

<210> 1355

844

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1355

```

gcgatagtgg gagtgtttaa gaagacagac taacagacac ctgttacttt ggtgtctgca 60
tttttagtagc tttcttttaa gcagttgtaa actgtgctag ggcattgtct ttatctttgt 120
cttgcacctc atctcttctc tgaccactt gttatatgta tgaccactt taagaatttt 180
aatttttgtgt gctgcctccg tcaactgctgt gaacaccac atggagtcag gcaccaccc 240
accctggcac ctgctagcac cctgctgcac ctaacaagt tataccctgc tgcattgctg 300
ctgcttctggt tatgtgtgaa tgargacaat cttgttctgt tcacttacia atgctttatc 360
tggcaccacc catcggtgtw tartgamtggt tggkctgara rtaccttagc cccaaccccc 420
scccacacca gtg                                     433

```

&lt;210&gt; 1356

&lt;211&gt; 632

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1356

```

tttttttttt tttttttttt ttggataggg tcttctcgtc ttgctgtttt tcctttttat 60
atwttaacat twctttgttt gtawatcmag ttgtwctaa aatatcttcc araaacattt 120
cttttacttc aaatggctwt cctgtatat atatcamtgg acaacttcca aaatatctta 180
taaagagatt tacatcmaag gcagcactag aaagaattag tttcaaagtt ggggtgcttt 240
gcaacaaatc tcttaacttt gtaagtaaaa aatcactaaa tcgatccctt tcatgcactt 300
catccacgat aacatgtgtc acagtcgaca acgtactatc tcttgccatc aatgtacgaa 360
gcaatacccc attagtacaa aatgtcagaa gtgtytttgg agaaacctg ctttctaate 420
ggatctgata accaattggt tgaccaatcc tttcccgctc ctctgcgga actctttcag 480
ccacagcgat agctgccaat cgtcttggtt gactacaaaa tatacggcag gggataccat 540
tttttaaagca atcatctaaa aggaactgag gaatctgtgt ggtctttcca gaccagttt 600
ctcctacaat caaaactact ttatttttct ta                                     632

```

&lt;210&gt; 1357

&lt;211&gt; 968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1357

```

ccctggcccc ccccccccca gtacagggaa cgtgctttac catcgtttcc ggcgtggac 60
ggccgtcact gtttccggac cccgcaattt ggggtagtgt tgttgccat gctgtcctcc 120
ccaaagcagg aatgaacacc cccttaacgg cgggcaaaaa accgagggga acccgactg 180
gccaagaatc ctgagkagtc cgctacattg ccaamgykct cgctgccaka cgaaagcgag 240
scgtctgcag cgagtggag ttcgccgct gtgtggtgga ccgcctgtgc ctcatggcct 300
tctcgtgctt caccatcatc tgcaccatcg gcacccgat gtcggctccc aacttcgtgg 360
aggccgtgtc caaagacttt gcgtaaccac gcctggttct gtacatgtgr aaaactcaca 420
gatgggcaag gcctttggct tggcgagatt tgggggtgct aatccaggac agcattacac 480
gccacaactc cagtgttccc ttctggctgt cagtcgtgtt gcttacggtt tctttgttac 540
tttaggtagt agaatctcag cactttgttt catattctca gatgggctga tagatatcct 600
tggcacatcc gtaccatcgg tcagcagggc cactgagtag tcattttgcc cattagccca 660
ctgcctggaa agccttcgga gagtcccca tggctcctca ccaccgagac agttggtttt 720
gcatgtctgc atgaaggtct acctgaaaat tcaacatttg ctttttgctt gtgtacaaaac 780

```

## 845

```

ccagattgaa gctaaaataa accagactca ctaaatecctt tccaataatt gactgggtgga 840
aggaaaaacaa aaaacaaaaa ctaaaaacct cttagctttt ctgcaattca acttttttatt 900
tttatttttta tttctatcaa agacggtaga gagaaacagc ttgatgctgt ttctacatta 960
aaaaaaaaa                                     968

```

<210> 1358

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (692)

<223> n equals a,t,g, or c

<400> 1358

```

cacaaaaaaa agtacattgc tgattccatt tcagcatcac tcaattacca ttctctaact 60
gtctctgatt tgtctttacc aaaagccaca tctggcataa ttggcaaaag actttttttt 120
tttccccacc attccaatga acacaaaaat gacattctca acatcaaadc aaatgatcac 180
attttttattc atatttttact ccaactgaaa tgaaggatat aactaatttg tccatttttc 240
tttaagcaca tatctgtatt cattttgata acccagcact cttgattggt cccttactga 300
atgtttgtct cttagtatcc tttgcccatt ctactccttt aaaaaaactg ttgcagtaac 360
caaagagtta tttttgattc cacgtctttg tcaaactaaa gtcagctctt tgaggcttct 420
ggattttgat attaaatatg tgtttagcag ttcaaatttt atatatgtat attctagctc 480
agatccagaa atctattttc ttcttatcat tctcacttgg attcctcaag caatttaaca 540
tgctctaaat atttcttcca tgtttattta ggtttcaact ctacatacag aatagactaa 600
tttaataatt ttatacaatc cttggccttt acttttatatg atcttctaca tccaatagaa 660
ggttggtcaa gtaaacnta aaaacctatc gnacactttt taatctctga attttcat 718

```

<210> 1359

<211> 1628

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature



846

<222> (1600)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1614)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1623)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1625)  
<223> n equals a,t,g, or c

<400> 1359  
ccnggaatnc cgggtcgacc cacgcgtccg gcgcgctgcc agcagccagg agccaggagc 60  
caagagcaga gcgccagcat gaacttgggg gtcagcatgc tgaggatcct cttcctcctg 120  
gatgtaggag gagctcaagt gctggcaaca ggcaagaccc ctggggctga aattgatttc 180  
aagtacgccc tcatcgggac tgctgtgggt gtcgccatat ctgctggctt cctggccctg 240  
aagatctgca tgatcaggag gcaactatct gacgacgact cttccgacct gaaaagcaca 300  
cctggggggc tcagtgcacac catcccgcga aagaagagag cccaaggcg aaaccacaat 360  
ttctccaaaa gagatgcaca ggtgattgag ctgtaggtga gcagtgcagt gaagaggggt 420  
tctagccccg tggaaaacag cccatgggta acatctcagg atgtyctgca ttcaaaccacc 480  
caaggctggt aatgaacttt cacatggact gaattattga ggcaaataat agaaggaata 540  
gaatatacag tgccctctgtc ctgaaggaaa atatcatgcc tcttctggaa gaaacggact 600  
gcacagagga aggattgagc aatttagcct gcagtggag aaggtggaca ccaaaagctt 660  
caccctgtgt tggagctgtt catgcttcca tgaggccatg gtgtccatgt ccgtggaacc 720  
taccacagaa aatggctcat gaaaagggga atccgaccca acacacagct tcctacactg 780  
ccatcttata aacagttagg cactactttg tagaacgatt agcttcaccc tcttagctgc 840  
caggagatcc cttcttaaaag atggactatg tgaagattcg ggagtccctga aacatgggga 900  
ctccgggatg gtctctagcc ctatcgatga tgaacactgg ccttctggag gggaaatggc 960  
agtctgggct ggctgtgtag gaagggcttt ggtgttcatg gaatgggcct gctgctctca 1020  
gaccttcaaa ggatggaacc aacgaaggac caaatgagaa agcagatgct gtgccttgca 1080  
gagggccatg aatgtcagtt attatttttc tccttataca attattttgt ggttattatt 1140  
acaatgtaca tggctgttgc atagaagaca tgactggtgg aggctgagga aagccatgac 1200  
attctacaat tgccatcagg ctaaggcccc gtgagcattt ctctcccttg taatattaac 1260  
cctgtatttc tgggatcaca tcacggaata ttctttgcct ttccactttc caggaaatct 1320  
ctcggactgg gctaccctcc ttgtgtgtga tgaaagatga gctatatctc agaacaaagt 1380  
gctgtgttgt catratctgc ctggactccc agggcgtctc ttacccaact tgataacgat 1440  
gctgttcatt agcagccttt gttaactgat aaccaagagc ggtaatgtga tactcataag 1500  
caattttctg tgtgtaggat aaaataaacc atcttgtatg ggatctgcta aaaaaaaaaa 1560  
aaaaaaaaaa aaaaaaaagg gcggccgctc tgagaggatn ccaggcttta cgtnacgccg 1620  
tgncngcg 1628

<210> 1360  
<211> 1297  
<212> DNA

847

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1280)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1360

```

gcccacgcgt ccgcactccg ctcgggtcac catgtgtcac tctcgcagct gccacccgac 60
catgaccatc ctgcaggccc cgaccccggc cccctccacc atcccgggac cccggcgggg 120
ctccggtcct gagatcttca ccttcgaccc tctcccgag cccgcagcgg cccctgccgg 180
gcgccccagc gcctctcgcg ggcaccgaaa gcgcagccgc agggttctct accctcgagt 240
ggtcgggcgc cagctgccag tcgaggaacc gaaccagcc aaaaggcttc tctttctgct 300
gctcaccatc gtcttctgcc agatcctgat ggctgaagag ggtgtgccgg cgcccctgcc 360
tccagaggac gccctaacg ccgcattcct ggcgcccacc cctgtgtccc cgtcctcga 420
gccctttaat ctgacttcgg agccctcgga ctacgctctg gacctcagca ctttctcca 480
gcaacacccg gccgccttct aactgtgact ccccgccact cccaaaaaga atccgaaaaa 540
ccacaaagaa acaccaggcg tacctggtgc gcgagagcgt atccccaact gggacttccg 600
aggcaacttg aactcagaac actacagcgg agacgccacc cgggtgctga ggcgggaccg 660
aggcgcacag agaccgaggc gcatagagac cgaggcacag cccagctggg gctaggcccg 720
gtgggaagga gagcgtcgtt aatttatttc ttattgctcc taattaatat ttatatgtat 780
ttatgtacgt cctcctaggt gatggagatg tgtacgtaat atttatttta acttatgcaa 840
gggtgtgaga tggtcccccct gctgtaaatg caggtctctt ggtatttatt gagctttgtg 900
ggactggtgg aagcaggaca cctggaactg cggcaaagta ggagaagaaa tggggaggac 960
tcgggtgggg gaggacgtcc cggtgggat gaagtctggt ggtgggtcgt aagtttagga 1020
ggtgactgca tcctccagca tctcaactcc gtctgtctac tgtgtgagac ttcggcggac 1080
cattaggaat gagatccgtg agatccttcc atcttcttga agtcgccttt aggggtggctg 1140
cgaggtagag ggttgggggt tgggtgggtg tcacggagcg actgtcgaga tcgcctagta 1200
tgttctgtga acacaaataa aattgattta ctgtctgcaa aaaaaaaaaa aaaaaaaaaa 1260
aaacycgggg ggggcccggg acccaaatcc ccccaa 1297

```

&lt;210&gt; 1361

&lt;211&gt; 2704

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1438)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1361

```

gggccatcct ggcgggtcaaa tccacgcggc agaagcagca gcacctggtc cagcagcagc 60
ccccctcgca gccgcagccg cagccgcagc tccagcccca accccagcct cagcctcagc 120
cgcaacccca gccccaatca caaccccagc ctcagcccca acccaagcct cagccccagc 180
agctccaccc gtatccgcat ccacatccac atccacactc tcatcctcac tcgcacccac 240
accctcaccg gcacccgcat ccgcaccaa taccgcaccc acaccacag ccgcactcgc 300
agccgcacgg gcaccggctt ctccgcagca cctccaactc tgccgtgaaag gggcagctcc 360
cgggcaagac aagggttttga ggacttgagg aagtgggacg agcacatttc tattgtcttc 420
acttgatca aaagcaaaac agtctctccg ccccgcacca gatcaagtag tttggacatc 480
accctactga aaacttgcca ttcttcttag ttttctgcat acttttcac acgatgcagg 540

```

848

```

aaacgatttc gagtcaagaa gactttttatt tatgaacctt tgaaaggatc gtcttgtatg 600
gtgaattttc taggagcgat gatgtactgt aatttttatt taatgtattt tgatttatga 660
ttattttatta gtttttttta aatgcttggt ctaagacatt tctgaatgta gaccattttc 720
caaaaaggaa actttatttt caaaaaccta atccgtagta attcctaatac ttggagaata 780
aaaaagggcg gtggagggga aaacattaag aattttattca ttatttctcg agtactttca 840
gaaagtctga cacttttcatt gttgtgccag ctggttgaaa ttaaaactct gatattactt 900
tttttgagga tttttatttt tgtttttgct taacatata gtttgtctag aagtttaaaa 960
agctaaaagt taaaaatggt gtaattatga aaatctaaca ctcaagatag tttctaaaag 1020
gaaatcagta gttaaggata cctgatttca aaatatttaa agcataacct aactgatggt 1080
aggatgattg tatcttgaat atgtggtagg gccacatcta ttgtaggaaa accttgcttt 1140
tatcatctgt gtgtaaagggt ctttaataagg agaagaggcc ttttgactga tttgtgagta 1200
taaatgcatt tgctgtttca tttcaaaaat gttgtggagg aaaagagtac atttaacttg 1260
tataagagaa tatttgtact cctgtccagg ctgcaggacc tttcttcgag agctttgcac 1320
acttgacttg aaccacattt tctgatccct ttactttggt ttagaagcac actgaaaaat 1380
ctcgttgttt aaagtacaat ttgtaaatat ttcaaagggt taggagtcac aacttttngt 1440
tttcatactg aaaatgatgt tgatcagaga aaccaactgt tttgcttttc attgctctgt 1500
gagaaatttg aggattctgt tttgctgtta ggtaagctaa actcagaaat tgaaaaggaa 1560
aagactggat aaacacagga ttttcagtaa gaaaacaacc ccagtcttgt cttagaagcc 1620
acttgttgag gagtctgttg ggggaaaaaa gaggatatgc ttttaaagggt agaacaacc 1680
ttcttctgtg ttaaatcaaa aggatgttca aaatccacca ggacagatgc tacttggtgt 1740
taaatggagc catagatgat acaaagtcct cttggggctg aaaatcactt cctatttgca 1800
tggtcttact aactggtttc tgttttccat tatcttttcc acagaaagtc ttggtcagta 1860
tttttccagc atttaaatg aaacggtcag tattagacca ctgctagggt atgtagtcaa 1920
gaaataaaaa tagaattaca tgctacagat gtcttttatt tccttccatc tagaaaggag 1980
ttccaagggt aaattacttt ttagtgcaat agttaaatga cattttgaga tcataactca 2040
tatccaaaaa gttgcaggga aaattaaaat agctttcccc tattaagcta atggcaaaca 2100
aaacttaagt ggacccccac ttccagtgggt tgttttaggt gcagtgtgtg aaatatgctg 2160
ccaacattta aaaacttggt tcatatgtat atatgtatac acatatatga atatgtatgt 2220
atatatacat atatgagaac atgtgtgtac acatatatga atatgtatat atgtgtatgt 2280
atgtatatat gtatatgaaa tgagagccac atctaaagat ttcttaaatac aagtttggtt 2340
cagcttcctt agaactgtgg ctgtactttt tgaggagtac ctcatagtac tataattttta 2400
atgcatgcaa atcataatag ctccaaatga accacagttt tttcccaatg gaggattttt 2460
ttttaattct tgtactaaaa aaaaaaaatc cataccaaat atttttaca attaaagattg 2520
atgtaggttt taaaaaggc atttgtatgt tgttagctta catatggggc taggtaattt 2580
cattgcttaa aaagatgcgc ctaggctccc tcttggtggc tggatttctt tttcttcscy 2640
cgtggtggcc atggttctta atagggccac cggaatcakg gtttctttct tttttttttt 2700
tttt 2704

```

&lt;210&gt; 1362

&lt;211&gt; 910

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1362

```

gagtgcctt gagcctgtgt cctaggtttc cctgatggac caagccttct ccttttgaga 60
ctcctcatcc agtttcttta gttcttcata tatcactgtt tttcagatct ctggctatcc 120
ttgccattga cctcagaaat cctgtatttg accttaacct tcttataccc agtccatacc 180
caaagtgatg gaaatggaat agatttcttt ttaaagtttt aaacgaatat tttgactgaa 240
aaattttggc agtcttgtat gcaaatgaca ctgcagagca ttgttttctc cccccacgg 300
taggarattt tattcaacta aggcacaggc atattaaaaa actttcagta taaggaaaag 360
gggtaagttt awtccctcca aatttgacta cagctcgaaa ttgtctttat taatgcaaag 420

```

849

```

ttcttttgtc accttgactt tgggacactg ttaccaaaccc tcgtgggaaa tatcaagttc 480
cagaagattg aatacatgca ggaaacaaat gttttttggg ccctagagtg aacatttggt 540
ccatatgaaa atgaccagga agacaattag gtgaaggttt tttaatgatt tgtgctacgt 600
cagtctcttc ccataagaca tattcaaagt ttttaactttt ccttaagagg cttccatggg 660
gagcaagcat ttgataattc atcctttaag aaaaacacca ccgtacactg cttgaagagt 720
tcctcttcta ttacttaaaa cgttttttatt gtgcaacatt taaggcatac aaaaacatat 780
aaagaatacc atgatgaaaa tctatgactg tattaccaag ctttaagaaat aaaacagttg 840
agtgatctct catttatgac taaattaact tattaataacc attaaaactt ttggattatt 900
cctgttaaaa                                     910

```

&lt;210&gt; 1363

&lt;211&gt; 1823

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (231)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (609)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1729)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1363

```

ctgcaatgga aacgatgtcg gccaaacana aacaactggg aaaatgggcc cctaactgtg 60
cancaactgt gcgtcacctc ccgcctccca gctccccgca ggamtcccg cttacacttg 120
tcttcccccc acgaactcctc tgcctctctcc caaactcctt cccaccacct gcagctcttt 180
gaccaggaca gctccaatgt gttgtcaagt gagtgtcccc agcaggaggc ntggcgggtg 240
tgggcaggga gggacgasaa ggggcggggc gtgacctccc tttggcctcg tccccagegc 300
ttcctccagg atccctactc caccaccttc agcagcttct cccgagtgc caacttcttc 360
cggggtgccc tgcagccaca gcctgaggga gccgcctccg accttcccc gccacccgac 420
gatgagcccg agcctggatt cgaggtcatt tcctgtgtgg agctggggcc tcggcaaccg 480
tggagcgggc cctccagtta cagaggagga gtgggcacgc cacgtggggc ctgaagggtc 540
cctgcagcag gtccctgagc tgaagaaccg gatcttctcg ggggggtctga gccccagcct 600

```

## 850

```

gcggcgcgna ggccctggaag ttccctcctag ggtacctcag ctgggaaggc acagctgagg 660
agcacaaggc ccacatacgc aagaaaacgg atgagtattt ccgcatgaag ctgcagtgga 720
aatctgtgag ccctgagcag gagcggagaa actcacttct gcatggatac cgcagcctca 780
tcgaaaggga tgtgagccgc actgacagga ccaacaagtt ctacgagggt cccgagaacc 840
cggggctggg cctgctgaac gatatactcc tcacctactg catgtatcac ttgcacctcg 900
gctacgtcca gggcatgagt gatcttctct ccccgatcct ctacgtcatt cagaacgagg 960
tggatgcttt ctgggtgttc tgtggcttca tggagctcgt gcaaggggaaac tttgaagaga 1020
gccaggagac catgaagcgg caactcgggc gactgctgct gctcctgagg gtgctggacc 1080
ccctgctctg cgacttctct gattcccagg actccggctc tctctgttcc tgtttccggg 1140
ggctgctcat ctggttcaag aggggaattcc ccttcccggg tgctcttcgg ctgtgggagg 1200
tgctgtggac aggggtccct ggcccccaatc tgcacctgct ggtggcctgc gccatcctgg 1260
acatggagag ggacaccctc atgctgtccg gcttcggctc caatgagatc ctcaagcaca 1320
tcaacgagct gactatgaag ctgagcgtgg aggacgtgct gacccgcgcc gaggcctgc 1380
accgccagct aaccgcctgc cccgagctgc cccacaacgt gcaggagatc ctggggctgg 1440
ccccgcccgc agagccccac agccccctgc ccaccgctc cccgctgctt ctgtcgccca 1500
cccgggcccc gcccaccccg ccgccctcca cggacacagc cccgcagccc gacagcagcc 1560
tggagatcct gcccgaggag gaggacgagg gcgccgactc ctaaccccgc caggcagcct 1620
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gccgccctgc tgataagctg gcttcattaa actgacactt ctcawgtgna aaaaaaaaaa 1740
aaaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcag ggacgtcata 1800
gatcttgtat ggggtattgg aaa 1823

```

<210> 1364

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 1364

```

aattccccgg caacaatttg aaaaactact cgaagttctg cgtttcagcc ctgaacctga 60
aacataaaat gaatgcaatt gttgttgtaa acttgtttat tgcagcttat aatgggttaca 120
aataaagcaa tagcatcaca aatttcacaa ataaagcatt tttttcactg cattctagtt 180

```

## 851

```

gtggtttgtc caaactcatc aatgtatctt atcatgtctg gatcgatcct gcattaatga 240
atcgggccaac ccccggggag aggcgggtttg cgtattggct ggcgtaatag cgaagaggcc 300
cgcaccgatac gcccttccca acagttgcgc anctggaatg gcgaatggga cgcgccctgt 360
agcggcgcat taaagcgcg cgggtgtggt nggttacgcg cgggaaccgg taacantggc 420
cagggccnaa ggcccg 437

```

&lt;210&gt; 1365

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1365

```

gggattacag gcgtgagcca ccacgcttgg cctgcccttc taatttttag aagtttgtgt 60
ttctacctct gaagtgttca tgggagagtg aaggtagaga gtggtccaga gcagggtgggc 120
cccagcacac cctgtgtgtc aactgattcy gagaatcatc aaatagacaa gaatttaagt 180
cttcgcgtttc tgtggtcatg attaagggtgc attyttttaa gacttaaaaa cttactggct 240
ttaggaagga gagttcttat aacctcccag cacaaagtga catactttca ttctctgcta 300
cttctgtgta gtgttgcttc actgttaatg tttgtggctc ttcaagagcc agtcttttagt 360
taatcatatt accataaggc cgtggttctc aatcgagggt gatttcccca gggggacatt 420
tgggcatgtc ctggaggcat tttggttgtc acattggcas cccgggtgtaa wactacctcy 480
gaccaaaaaa aaaaaaaaaa aaaaaaaaaa gggggcgcttc ttg 523

```

&lt;210&gt; 1366

&lt;211&gt; 2155

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1366

```

tgatttggtc ttccactcag agttgagtgg tttatcacag agtgtgttat ggcttagacc 60
aatacaggtc ccttcttaat agtggtagct cctttttatc ctgaggatta agccattaca 120
aactcaaatg accagagaat gtaatttctt aataagaatt ttcccttaa tctatattca 180
gctctctatt tcagtgtctc tctcctacca gaggtgcaag gagtgatcct agaaccacag 240
atacagccaa gaccacggag agcttttgac gtcaggggtc cactttctcc actgaaccct 300
tggagacaga atatccagct tctggagaga gtgggaaagg ataataaaca aatttctttc 360
aactggtaaa acatcatact tcttcagcaa aaggaattct tctagcagag cttcatgga 420
tgatatctgt cacacatgcc wkcacctgca gtttgggaag cagtggtgaa tggatccatg 480
caatatgtct agaagacaca aggatgagcc agccacctga tcttgtcatt tataaacttt 540
taagaattac tctggtttac ttttgggtctg aaaatggaaa ggcccaaata atgaaataat 600
cttttcagat tggaaattta catggccatg aaaatatttc tttctattca gaagactgaa 660
atagaggaag cttgagagac tcctttcttt taaaagcggc tctctgtatc tgtttcattt 720
aaaacatttg tgggrttgaa aatcacctta atgaagtagg caaacatttt tttaagtagt 780
agaggaagtc cagaaaactt aatgaaatgg ttttttttgt tgcctgacac tgaaagtaac 840
tagtaaaataa aggggtgaact tcttaattat tcgaaaactg cttttaatat taggatatac 900
tcttttagct catcttcgct ggtcttgagg cttattataa ttgtcaaatc aacaaagktt 960
ctaatagaga agtagaagaa atatcttttg agatgtaagk agcttggkct gkcttctaaa 1020
gkaatacata cctgktaaac ytgaggwatt tttttcatac tgaaggcatt ctaaagtttg 1080
gtactgtcac aaaacagtag tttacagagc agaagcactt agtattagaa taagcctgta 1140
ggtgtgaagg aataagtgtt gcaaaaatag tattttatcca agctgtcaat taattgattg 1200
aagtagttat caaaatgttt ctgtttcttt ctttgggtatc tattaactgg tcagtcaaaa 1260
gctattaaag aatgttttta aagtcacctt atgctgccag tttgttaaat ttggtataca 1320
ttttaagaat agacattcta gagttattaa tatggaagca gctaaaatgt tttaggaaat 1380

```

## 852

```

ctcaaaagtt ttagaagcca catttgctaa agcataacct gcacttagtc tttcttggct 1440
atctgtatatt tttcttcatt aattataaat aaatttttgt taagtatagt atttaaaagt 1500
aagtttaaaag gttcaawttg aactgaaatt tccccagaga gctttgaatt ccataaagtg 1560
attacagctt ttactcccga cttgttttta gtaaattgta ataagacaat tggtttataa 1620
acacatatata attaaaaaaa acaactgtcc atcgtttttag gaagaactga aggaactaaa 1680
aatgatattt gcttggaat taagttagtt gaactctttg aaccacagta gaaaccgttt 1740
gtgtggcctg tgagawtata agcttttttgk ttcarctttg aagatgaaaa gtgatttaatt 1800
ctcttaattc catgctttga ttgaatttta gctctgktcc ttaaaatatg caaaaggaaa 1860
tgtaagtgc tttctagtca cctcatgcca ctacaagcta tttattttaa agtgaaactt 1920
tttgatatatt attgtgaact gatttgttta tttaaacttt tattttgggtg aatttacctt 1980
tgagtttttt tatattttat gtcacaaaat gaagtcctat atttttcagt gtttatgaat 2040
attaatataa actatttttt tctagaatga ctaattgtgt aatatctgta ttatgtgata 2100
atttgaaatc taataaatat tttctccatg aaaaaaaaaa aaaaaaaaaa aaaaa 2155

```

<210> 1367

<211> 1724

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1701)

<223> n equals a,t,g, or c

<400> 1367

```

gcagcctgcc agccgcgctg ctgctgctcc tctgctgtg ggaccgctga ccgcgcggct 60
gctccgctct ccccgctcca agegcgcgac tgggcacccg ccaccagcat ggacgctcgc 120
cgcgtgccgc agaaagatct cagagtaaag aagaacttaa agaaattcag atatgtgaag 180
ttgatttcca tggaaacctc gtcacacctc gatgacagtt gtgacagctt tgcttctgat 240
aattttgcaa acacgaggct gcagtcagtt cgggaaggct gtaggacccg cagccagtgc 300
aggcactctg gacctctcag ggtggcgatg aagtttccag cgcggagtac caggggagca 360
accaacaaaa aagcagagtc ccgccagccc tcagagaatt ctgtgactga ttccaactcc 420
gattcagaag atgaaagtgg aatgaatttt ttggagaaaa gggcttttaa tataaagcaa 480
aacaagcaa tgcttgcaaa actcatgtct gaattagaaa gcttccctgg ctcggtccgt 540
ggaagacatc ccctcccagg ctccgactca caatcaagga gaccgcgaag gcgtacattc 600
ccgggtgttg cttccaggag aaacctgaa cggagagctc gtcctcttac caggtcaagg 660
tcccggatcc tcgggtccct tgacgctcta cccatggagg agggaggaga agaggataag 720
tacatgttgg tgagaaagag gaagaccgtg gatggctaca tgaatgaaga tgacctgccc 780
agaagccgtc gctccagatc atccgtgacc cttccgcata taattcgccc agtggaagaa 840
attacagagg aggagttgga gaacgtctgc agcaattctc gagagaagat atataaccgt 900
tactgggct ctacttgtca tcaatgccgt cagaagacta ttgataccaa aacaaactgc 960

```

## 853

```

agaaaccag actgctgggg cgttcgaggg cagttctgtg gcccctgcct tcgaaaccgt 1020
tatggtgaag aggtcagggg tgctctgctg gatccgaact ggcattgccc gccttgctga 1080
ggaatctgca actgcagttt ctgccggcag cgagatggac ggtgtgacgac tggggtcctt 1140
gtgtatttag ccaaatatca tggctttggg aatgtgcatg cctacttgaa aagcctgaaa 1200
caggaatttg aaatgcaagc ataatatctg gaaaatttgc tgcctgcctt ctacttctca 1260
aatctttctt gtaaaagttt ccaatttttt cactgaaacc tgagttaaaa atcttgatga 1320
tcagcctggt tcataagaaa ctccaatcaa gttaatctta gcagacatgt gtttctggag 1380
catcacagaa ggtatattgc tagttacact ttgccctcct gcagtttctt ctctgctccc 1440
aaccceccatc tcatagcatt cccctctatt tccaatgctc ctctccaacc gcttagtttc 1500
tgaatttctt ttaaattaca gttttatgaa agcatatttt atttacttgg tgttgaaata 1560
gccctyataa aacctaagca cttggaaacn caataatagt attaactaac tagatctatt 1620
gaatttcaga gaagagccta aatagcaaan ttacacaaa aacgagtatg atttagcact 1680
catactagtt gagggtttgg ngccgatagc gactgctaata gaac 1724

```

<210> 1368

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1368

```

cccctacttt aaggagttct agatatgtga gatactacct taccctttca gacagttcca 60
tgtgagtatg ttaaccatac ttcttagtca aaaataaaga gaagcctccg ggtctttgtg 120
ggaacaaagt tacaaattaa ttgaaatcca tactcttctt aagcagcttg gacctactac 180
tgtcccacat gtaagtatgc aaaactacat tttgccaaaga attaactcat gagaaccatt 240
gaacttgatg tgaaagtcac cttaacagtg gtattgtgct ctgtaaaact ggaatctttt 300
cccacaagat gcatgtaaat aagagatctc aaaaatagaa agactctctt tctcaaagaa 360
tacaaacagg tgt 373

```

<210> 1369

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)



854

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (725)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (775)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (797)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (798)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1369

```

naagatgtnn ttaaccctca ctaaaggga caaaagctgg agctccaccg cggtgncggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcaccacttt gtatgtatag 120
tagccttttg cctcatcac aacttagtgt gaggtatgtg ttctgtcct aattctacag 180
agaaggaaat tggaattcag tgagttcatg ttcttacagc tagtgactgg tcgatccasa 240
attagagcac mggtccgtct gactccaaaa cctatatgtg cttttcacta taccacaata 300
acaacgaata tttgttctgt acaattcaca actctttggg ctaccttatt attattatta 360
ttattactac cactacttac atcttcaacta gtcagtargt acagccwaga ttatcacgac 420
ccccatttca ctggtaggga aactgagact cggaagcttg cccaagatca cacagctggt 480
aagtggagga gaaccaggac ttcagacaga ctctctgact ccagatcttt tttttctttc 540
catgacatca cattgctgcc ttaattcatt tgcacaatgc atgattgtat ggccagtgtt 600
cactgacacc tttcctacag aagtatcaat gagcccaggc attacgtaga gccatgtgga 660
gaagaaaata attcatacct ttcagaggag ctccatttt agtgggggtt gatacaaagc 720
accngaaag taaatgcctt gagaatagtt cacaagttaa gaatttaaaa tatanggccg 780
ttgtttccat aatgaanncc cataaatttg ggccataaaa c 821

```

&lt;210&gt; 1370

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

855

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1370

```

caataatgta aaatatgaag tgtatgtgta cacacatttt atttttcggt atcttgggta 60
tacgtatggg tgaaaactat actggagtct aaaagtattc taatttataa gaagacattt 120
tggtgatggt tgaaaaatag aaatgtgcta gttttgtttt tataatcatgt cctttgtacg 180
ttgtaatatg agctggcttg gttcagtaaa tgccatcacc atttccattg agaattttaa 240
actcaccagt gtttaatatg caggcttcca aaggcttatg aaaaaaatca agacccttaa 300
atctagttaa tttgctgcta acatgaaact ctttggttct tttatttttg ccagataatt 360
agacacacat ctaaagctta gtcttaaatg gcttaagtgn aactattccc taantgctgg 420
ntg 423

```

&lt;210&gt; 1371

&lt;211&gt; 653

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (635)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (639)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (649)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (651)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1371

```

cgggtcgacc cagcgtccg agcaacagcc gtagcaaaag cagctgctgc tcctgctatg 60
aggggtgtata tatttttttac ccaaagctct ggaattgtac atttattttt taaaactcaa 120
agaggggaaag agccttgat catatgtgaa cattgtatca taggtaatgt tgtacagacc 180
cttttataca gtgatctgtc ttgttcctgc agcaaaaaatc ctctatggac ataggaggtg 240
ctgtgtccca tgccctcttg ccctgacagt gtcccatggg ccccttctg ctccctgccc 300
ctccctgct actgctgatg cactctcctc tccctgcagc ccctggcttc ccagccttcc 360
tcctgacccc ttccaacagc cttggaaact cagctgccac caccctctgg gtcggacact 420
gggacccact ggcccagctc tggctgctgc ttaccctag ccttgatgcc tgcccagggg 480

```

## 856

```

ccccagccc cctcccggtg ccctgcagct ttaacagagt gaaccatgtg tattgtacag 540
gcgcgggtgt cattgcagaa accgctgggt ggagaagaag ccgataaagt ctatgaatca 600
aaaaaaaaaa aaaaaaactc gaggggggggc ccggnaccna attcgccna nag 653

```

&lt;210&gt; 1372

&lt;211&gt; 907

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1372

```

attttttact gctaccacaa tactgctgct gttgctgctg ctacattaat ttatgttgct 60
atgtcattcc agtgaaaaat ctcaactttc aattatagtg cagatacact atgtaaaatc 120
acatgttttag gttccaagta atatatggcc taaagaaatc ccaaaaatgg taataatccc 180
agtcatggat gccatacact tctaacctgc agcatcccca ctcaagaact gcctgcctat 240
ggtgcctccc actggagcac ttctaccca cagcacctga gctgccactg ccagggcacc 300
tacctatggc cccctgccat cctctacaga gctattgttt tatacatctt acacattaga 360
aaacttagac tcaaagttaa tctcatttgc ctgtgtcaga gccaggattg aaacaccagt 420
ctgtatgact ctataaatca cacccttaac tcagtgaagt ccgaaggctt ttgagtgtga 480
atgtgccac atatcctgtt ttctaaaaca ggcttattct gactttcaca gatcacagtg 540
ttctcccagt gtgtgaaagc aagacctgaa ataaactttt atgctgtatg tgctaacatg 600
cttagggctc tatttttcata aaacattaac aattttaaag atgatatcta ataaacagrc 660
cttggtataat tatcttttta agattgccaa atgttttcta atatcttact cattgtacta 720
aaccctaggc ttctgttcat ttttaatttta ccataaagggt aaaaacatat atataagtca 780
ataggtaact catttctttc attaaataat caattaaata cgtcacttat gatgtacaag 840
gcattgtata gaacactata ttgccaatca aagtgctagt aaaaataaaa gtttaaaatg 900
tgaaggc 907

```

&lt;210&gt; 1373

&lt;211&gt; 3036

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (547)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1373

```

tatctccttt cgtttaaggs ccataccnat atttcctacc tggagaatgc ctggactgtt 60
ctcctnttgtt agttcttcaa ggagtgcacac acgcggccat ctgggcagca tgcatttctt 120
acctcagtgc agccgttccc cctgagctga ggacatctgc tcagggcatc ctgcagggcc 180

```

857

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&lt;210&gt; 1374

&lt;211&gt; 2652

858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (685)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (708)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1374

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cagcatctga aggagaaatt taataaatac tgccggttaa atgatcaca gagggccatt 2160
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859

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gtatcctcat tagttctttc ttcaggcttg tgtctttagt tgcgtggctg cgcaggcctg 2400
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gcaacttagt ggcaaaaagt aatgtttgtac ttataattct gtacagaaat gacaatgagc 2520
tgaatatatg gttttacaaa gtagacatcc acttgcaaaa tgtttggatg taatgtttaa 2580
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aaaaaaaaaa aa 2652

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&lt;210&gt; 1375

&lt;211&gt; 327

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (309)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1375

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gcaactctgt gggatggaca tgcagccggt tggcatgggt atgaagttca tggaatggaa 60
aaaataccag aagatggacc agcacttata attttttatc atggagctat tcctatagat 120
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caggtggant tcnagaagcc ctaatta 327

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&lt;210&gt; 1376

&lt;211&gt; 1253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (165)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (210)

&lt;223&gt; n equals a,t,g, or c

860

<220>  
<221> misc feature  
<222> (631)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (641)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (673)  
<223> n equals a,t,g, or c

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<210> 1377  
<211> 671  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

861

&lt;222&gt; (645)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1377

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aagagtgggc agggacttca cctcttcccg taatggaagc tctgttaaata ttttaattta 120
ggagagtttt tgtgaaaatg actattttgt ttagctcaca tgataacatt tctataataa 180
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ataataaatt atgtactatg atcattttca gataaatcat catgcatgtt ccaaaatgat 600
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tttgggagac a 671

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&lt;210&gt; 1378

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1378

```

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tgctatttaa gtgtgctggg gcctctccac agtaggatcc tgctgtgagc cttcccttct 120
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ttttggggaa tgcncatgac a 501

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&lt;210&gt; 1379

&lt;211&gt; 962

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (795)



862

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (892)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (922)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (928)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (939)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1379

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cg 962

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&lt;210&gt; 1380

&lt;211&gt; 2935

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

863

<220>  
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 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

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 tcagtttaca tatcgacagc atatccactg atttctaaat gggctgggtcc catcatctga 2160  
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 caatttctta agcactttga cattttggtg gttccacact attgagagaa taatatattt 2280  
 attttgtgac attgcagatg ccaaatactg taaccttctc rtgataacaa tacttagggt 2340  
 caagatcact gttcaaacc cgtcatgctt taaaactgat gcgagatgat tttgtttttt 2400

## 864

```

gcataatcaa tacttaagggt tgcaatcaac tgttagtaat tgtgcagtaa agtaaagccc 2460
tgtggtgtat caactactag ttaagagtct cagttgattt ctgtaatgtt tgacctata 2520
atagcccggt tcgtctctga cccaacagag gaagcacaga tcaaatcacc ttggagtggg 2580
caccaggggg acagggagcc cccaccaat gtatcaatgg gtgatttatg atgccttctg 2640
ccctttggcg agtgaatggg tttcccatag gggaagtggg cctccctccg tgagctttgg 2700
aaatgttttc taatagacac agggaggcca gttctgtttc agagcaatta tcttcccaa 2760
ttctctgttc tgggtgttga actgtgtgcc ctggtttctg ttttcccttc tactgctgta 2820
attctctgtc tcatcatcct tctcttttgt ttccatagcc ttttataatg catatatgat 2880
gctgtgaaca gaaataaatt atttatacaa tcaaaaaaaaa aaaaaaaaaa ctcga 2935

```

&lt;210&gt; 1381

&lt;211&gt; 626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1381

```

gtggacgcct gtaatcccag gtactcggga ggctgaggca ggagaatcgc ttgaacctgg 60
gaggcagagg ttgcagttag ctgagatcat gccattgcac tccagccctg ggcgacagag 120
ggagactttg tctcaataag taaatacata aataaataga ttaattaaaa taaaaggat 180
ctccagggct gcattgcttc tggaaagctct agggcaagct tttccagcct gcggcatacg 240
gccaggactg ctttgaatgt ggcccagacac aaatttgtaa actcttaaaa cattatatat 300
ttttctttta gttcatctgc tgtcgttagt gttattgtat tttatgtgtg gcccaagaca 360
gtcgtcttct tccagtgtgg ctcaggggag caaaagatcg gaagccctg ctctagggga 420
gtgagttcat tttattgcca tttccagctt ccaaaggctc tctgcattcc ttagctcgtg 480
gccccatccg tctgtcttca aacctaccag tgtagcatct tccaagcagt cctcaccac 540
tacctgtcw ccccgccct ctcactcccc ttctgtggcc acgatgcctc agggaaagat 600
ggcatttttag gcagcaggta agaacg 626

```

&lt;210&gt; 1382

&lt;211&gt; 583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (571)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (580)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1382

```

ctgttttaggt tatagtctat tgatactttt tatatacaat tttataaata taaatattat 60
aattttatat taatggtacc aaaaatacat ttcttaagggt taaaagcatg cacttccatg 120
catacttgct tttggggaga gtggggagaa gacattctaa taatcagttt gtgaaatagc 180
ttctgttggg aaccttttga ggggaataag gaatggtcat ctaaaatgag agattctgga 240
ttttaatgca gttcaaagtgt gagctgtatt tttgttgttg atttatctgg atttttttta 300
aagccttcta aaaccagtg aattcaatac cttaattagt acatactatc ttatgtaatg 360
cataaagcaa tgccagtcac tgagaacatt taaatatatt tatattcctg gagatacaca 420

```

## 865

ttctcattttt tgttggttta ttataaatta ttcttctaga tgcattctttt ataactagga 480  
tttcatttttg tgtgtatagc ttatgtaata aatttttaaag gtgaaaactc tcttaaaaaa 540  
aaaaaaaaaa aaagggggggg ccgcccgaag nggcccgaag tta 583

<210> 1383

<211> 517

<212> DNA

<213> Homo sapiens

<400> 1383

acatatggaa ctcatcattc attttaaaagt atggtggcca ttggcgggtga caaaaggaaa 60  
agaagcaaag agactcagtc cataatgctg attagttaga agaaagggct aggattgaga 120  
aagtaccagg aacttttaat tatttaaaag agaatgctga ctgttaatgt tttaaactctt 180  
actgttcaaa tgtastaata tgaattttta ccctttgtgc atgaatatts taaacwacta 240  
gaagacctcc acaatttagc agttatgaaa gttaaactkt ttattataaa aattctaaac 300  
cttactgctc ctttaccagg aacatgacac actatttagc atcagttgca tacctcgcca 360  
atagtataat tcaactgtct tgcccgaaca atcatctcca tctggaagac gtagccttta 420  
gaaacacatt tttctattaa tttctctaga acttcttttc ggtataatct gtaagaaatt 480  
aaaaatatat atcaacttct ggataaataa aaaaaaa 517

<210> 1384

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<400> 1384

gcggccgcgg ctcccagact cctcgggctc tgggtcccg cgcccctccg gccgcgagtc 60  
ccacgcgcca ccccgggcg ccctcgacgg tggatctagc ggcgggcgagg aggcgggtcc 120  
cgcccccggc gaaccccagt cccggcccc ggccccgggc ccagcttcgg catggatgtg 180  
aggttctacc ccgcggcggc cggggacct gccagcctgg acttcgcgca gtgcctgggg 240  
tactacggct acagcaagtt tggaaataat aataactata tgaatatggc tgaggcgaa 300  
aatgcgttct tcgctgccag tgagcagaca ttccacacac caagccttgg ggacgaggaa 360  
ttcgaaattc caccaatcac gcctcctcca gagtcagacc ctgccctagg catgccgat 420  
gtactgctac cctttcaagc cctcagcgat ccattgcctt ccagggaag tgaattcaca 480  
ccccagtttc cccctcaaag cctggacct ccttccatta caatctcaag aaatctcgtg 540  
gaacaagatg gcgtgcttca tagcagtggg ttgcatatgg atcagagcca cacacaagt 600

866

```

tcccagtagc ggcaggatcc ctccctgata atgcgggtcca tcgtccacat gaccgatgtg 660
cgcggttctgg ggtcatgcct cctgcccagc tcaccaccat caaccagtct cagctcagcg 720
cccagttggg gttgaatttg ggaggtgccca gtatgcctca cacatctcct tcacctccag 780
caagcaaata agccactccc tccccttcca gctccatcaa tgaagaggat gctgatgaag 840
ccaacagagc cattggagag aaaagagctg ctccagactc tggcaagaag cccaagactc 900
caaagamaaa gmaamagaaa gatcccaatg agccacagaa gccagtgtca gcatatgccc 960
tggtttttcag agacacacag gctgcaatta aagggtcaaaa cccaatgca acctttggag 1020
aggtctcama aattgtagca tctatgtggg acagccttgg agaagaacaa aagcaggtat 1080
ataaaaggaa aacagaagct gccaaaaaag aatacctgaa ggccctggcg gcatacaggg 1140
ccagnctcgt ttctaaggct gctgctgagt cagcagaagc ccagaccatc cgttctgttc 1200
agcagaccct gngtngacc aatctaact 1230

```

&lt;210&gt; 1385

&lt;211&gt; 382

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1385

```

aagcaacgaa atattatgat gttctaaatc ctacctaaat attcttactc ttaaagctat 60
ggtcataaaa cccactggct ttcttcaaaa ggtagattac attattagaa agttgtaaag 120
atatattatc accaaactaa aactttgctt ttgctttatt cagaggaatt taaagataat 180
agacaagaaa tttctattta gggctatgtc cctgtaccac actttaggga atgaaacact 240
gtcatatgtc ctgtcagata actgagttaa acatttcact ttgcagttaa caaacagct 300
agagcctagg tataatgctg tggatgtgtt cttagttttt gctttttccg ttctctcata 360
ataagtgtac ctgagtatgt ct 382

```

&lt;210&gt; 1386

&lt;211&gt; 1202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1386

```

gagaactagt ctcgagtttt tttttttttt ttttttttgc tttacattac ttggtatgta 60
aataccttga ttaaaacctt gtaaaccaat ttcaagggtta ctataagttg tatagtacaa 120
gtgtttttta aaaatcttgg ggtgttttta aaaattaaga tatattttgc ccaagaattt 180
ttttaacaag attgctaaaa acatcttatt tagacacttc aatgtaccaa tttataattg 240
gatattcagt ttaaatagta cacagagttg tggcttttat tttcaattaa tttttttcct 300
tgtgggcagt gtgcatggta taataagcct gagcagaggc ttaagttgta tgtgtgcaga 360
gtttgtaaag gaatcaattg gaagatgcag aagaccgagg tttgctttca aggtattttt 420
caggctgtgt gggtaaaatt tgccctcaaat ttctatcaaa caggaatgta aaatagataa 480
aatcctatgt atttgaattg tcagagctag ggagtgcata tgttttggca atgtattcaa 540
aatgctggcc tgggcaccaa agagaaaata gcctttttaca gttacatagt aagatgcgat 600
tagtaccac aaattactgt tttctaaaca tttgaagttt tacgattagc tttaaaataa 660
tgattttata aattgggtgt cacaataatt ttggtattac tttcctcctt ttccacttta 720
gcaatatagc caaatgtatt caacataaaa attcataggg tctgaaattc atagctgggc 780
caaatttttt atggcacctt agttttacca taatgggtcat ctattacact cttctgttat 840

```

## 867

```

aaaatataacc cttattttctt ttgtttatag tatcttttgag gaatgttttt ggaaaagtta 900
atttatatatt tatagggaga acactcaata aattatgtta actgtgcccc cgagttaaaa 960
attttatgag tatatgtgaa acttgaacaa ctgaagactt tttttaattg ataaaaatgc 1020
ttagtatgcc tgttttggtc tgccagtaaa ttaagtagct tattgagata actaacagct 1080
aaatatagct gtagtgtttc ctgactgtat attctatgat ttaataaaat tatccagact 1140
agtttatattg ccacagtaaa catgtgactg aagtgtcctt catcttaatc tgaaagaggg 1200
ca 1202

```

<210> 1387

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc. feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (559)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<400> 1387

```

gatacctctg tggtatgagt atttcagga aaaagaaagc aggcattggca ccatttcgat 60
tttccctgac agcatctgag atccttttgg ggagacgctg aggagtgttt gctgccatgt 120
actcttacag ctctatgctg acactcccat ttgatgtggt ccagaactta gacctcagtc 180
cttggatcag ccctgtggtc cctgcaagca ggggcattct tctgcatgtg agccagcccc 240
cttctctgttc aagggttctg ctggatctgg gcttttctct tccttcactt ctgggatgat 300
tcaccccaaca tcttccagta cctgttaaac cattttaaaa tatttagaaa actatcctcc 360
caaaaatgct ttgaaaatg agagccctct gtccctgcca cttacagcta gtctctttgg 420
gataggggtg tatgtggaga gattcatgta agtctcacaat gactgacctg tgccctatg 480
tgtactaatg tgtgtactgg gtcagaaggt gccctgggtt cccacagacc ttgggttctc 540
gcctgggtgg gtggnaaagaa anggaactta nagaa 575

```

<210> 1388

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

868

<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1652)  
<223> n equals a,t,g, or c

<400> 1388  
atataagcaa cacttcttcg gattgtcggc cctcagagga gaggtagctg ctcacagata 60  
ctaccaccaa catcctttcc ggcaccactt ctactgtcga atcagatata ttgacccaaa 120  
cagatagaga ggtgggtctg cacgaaagga gtagctctgt ttccactatt gacactgccc 180  
ggctgattca agctttttggc catgaaagag tatgcttgtc acccagacga attaaattat 240  
atagcagcat caccaaccaa cagaggagat accttgagga agcggrcaaa cacagcaaga 300  
aagtgtgaa ntacaggtca tcccctagtg acttctgagc acaccagaag gagacacatc 360  
caggtagcaa accatgtgat ttcttctgac tctatttctt cttctgccag tagtttcttg 420  
agctcaaaact ctactttttg caacaagcag aatgtacaca tgttaaaciaa gggcatacaa 480  
gcaggtaact tggagattgt gaacgggtgcc aaaaaacaca ctcgagatgt tgggataact 540  
ttcccaactc caagttccag cgaggctaaa ttggaagaga acagtgatgt gacttcttgg 600  
tcagaagaaa aacgtgaaga gaaaatgctc tttaccgggt atcctgagga cagaaagtta 660  
aaaaagaaca agaagrattc ccatgaagga gtttcckggt ttgttctgt ggaaaatgtg 720  
gagtctagrt caaagaagga aaacgtgect aacacttgtg gccctggcat ctctggttt 780  
gaaccaataa ccaagaccag accctggagg gagccactgc gggagcagaa ctgtcagggg 840  
cagcacctgg acggtcgggg ctacctggca ggcccaggca gagaggctgg cagagacct 900  
ctgaggccat ttgtgagagc aaccttccag gaatcgcttc artttcacag acctgacttc 960  
atctcccgt ctggggagcg gataaagcgc ttgaagttaa tagtccagga gaggaagctg 1020  
cagagcatgt tacagaccga gcgggatgca ctattcaaca ttgacaggga acggcagggc 1080  
caccagaatc gcatgtgccc gctgcccagg agagtcttcc tggctatcca gaagaacaag 1140  
cctatcagca agaaggaaat gattcagagg tccaaacgga tttatgagca gcttccagaa 1200  
gtacagaaaa agagagaaga agagaagaga aaatcagaat ataagtcata ccggctgcga 1260  
gccagctat ataaaaagag agtgaccaat caacttctgg ggagaaaagt tccctgggac 1320  
tgacacaagt ttattttctt cagagccttg gaattctatt ttatgaacct agagaagcag 1380  
aatccttact tttgtgagtc tggttgaata aagcttattc tttgtccatg tgtatttttag 1440  
aaatagtaac ttctaaagag tctggaacaa agtgggtgatt aaaattccta atgggttggg 1500  
agcaatactt tctgcatagt ggccttgtcc aatggcctgt gtgttacaat gatatgatca 1560  
tttctcaaga ataagtccct ttttgtatgt gtttttatac ttttagaaaa taaaaacttt 1620  
agattaaaaa aaaaaaaaaa aaaaaagata tntcgggtcg tcaagggaat tg 1672

<210> 1389  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

869

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1389

```

ggccccatcct ggggtgaggct ggggctctcc tgggcactgt atgtattctg gatacaggga 60
tactgggctc gctatgtgtg tggarccatc ccttccttgc cccagcccca cctccctctc 120
aaaccctctc tggctctttc tgagcttccct ttcctgctcc ccagcttgcc cagtgtcag 180
tgccccactt ggctcttttg ctacttcggg tcaggtggaa cctcttgga atgtgaartg 240
ccttacagaa agattgcact tcaagargar argctscagg gaaccatcct aaacccaaaa 300
gcctggaact tactgkgtea ctttactttt gtnacaagg gtctccttaa tgccctcgaa 360
aaagatcttg ggcctgaact tctatcctga aggccacctc tgncaaccc aactccctca 420
actcttaggt gttatctcaa ttggaaaa 448

```

&lt;210&gt; 1390

&lt;211&gt; 882

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (867)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1390

```

gcttccttgt aggaaatgac cttcactctg ggtttaactg gagtggcatc acctcccagg 60
gagacagtta cttcctggag gargtggtgt ttcctccacc cataggtgcc ctgccccatc 120
ctcatggtgg cagcaaatca gcatgtgctg gggagaccct ggggtagcag cactgacct 180
cacacctgga ggaagctgtg tgaccgattc atgagcttat gcctgaagac agagcaagca 240
ctccccgcac cagcagcatg acgttcactt gtwttgwgtt tttcgatctc ttcaacgcct 300
tgacctgccg ctctcagacc aagctgatat ttgagatcgg ctttctcagg aaccacatgt 360
tcctctactc cgtcctgggg tccatcctgg ggcagctggc ggtcatttac atccccccgc 420
tgcagagggg cttccagacg gagaacctgg gagcgcttga tttgctgttt ttaactggat 480
tggcctcatc cgtcttcatt ttgtcagagc tcctcaaaact atgtgaaaaa tactgttgca 540
gccccaaagag agtccagatg caccctgaag atgtgtagtg gaccgcactc cgcggcacct 600
tccctaataca tctcgatctg gttgtgactg tggccccctgc cgtgtctcct cgtcagggga 660
gacttttagg aggccgcagc cttccatcac cggatcagtt tttcctctta ggaaagctgc 720
aggaacctcg tgggtccag ggaccaggc ccacatccat ccagcgttcc cgtggctgt 780
gggacagaca gggagggggc tgtacagaaa caccacactg tttattaaat cacaatgatt 840
tttattaaaa aaaaaaaaaa aaaaaanaaa aagggcggcc gc 882

```

&lt;210&gt; 1391

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



870

<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<400> 1391  
ccaccccagg gtctggtccc tgacgacgcg cagtgagggc cccgccgcta ccccagcagt 60  
cgcctcccaa gttcgcggaa cgcagctgac cggctccctc tggactgggt gacatgactg 120  
ctcccaagca gtcgtttgta aactgagttt ctgtaaaaca attttatttt tcatatgtga 180  
ctgtagcggg gtatgatttg aactttgttt tccgtccccc agcccggtt ctctgtcttc 240  
tcctgtacag ccgntccgtt ttcttacctc gtctccgtca ccgaggccct cagccctgaa 300  
cacaaggact gggcagtttc cctattgatt cctgaacctg gaacttaaga catcttccga 360  
ggggccccc cttgncacac ccttagctg atcgacttac aaatacctgg gattctntcc 420  
ccg 423

<210> 1392  
<211> 856  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (730)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (747)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (811)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (843)  
<223> n equals a,t,g, or c

<400> 1392  
cccacgcgtc cgcttttttt aatctatggt attgtgagct tgtgcaatgc aagtggctct 60

871

```

tattataata atgaaatagc tactccattt aattctttac atgtccaatg ccagctttct 120
ctccgtttgc ctgttagccg agaaccctgt gcaactctct cctggatgtc atgggaaata 180
tgacaaagag asaacacttg gtcttggcct caaaggactc gtaatacaga agacccgaga 240
aggatgtacc tgcaggggta tctacagsag aaatttaatm aaatacttgg cacatcgcag 300
ttacaaagaa agttttcaac gtggggccatt ggccactgca ggtttctttg tgagaaacat 360
ttgtgtgtnt ttttatccga gggaacaaaa ccctaggaaa ggaagtttca tcatctactc 420
ccatttttcc tccttcttga acaaaacttt tagctcaagg aacactgctt ttgaaggctt 480
gtgtttcatg cagcctgctt ccttagttga tctgttcaca agatcacatc aagtaattty 540
ttccattctg ggaagatggc gaaaacaaac agatactgtc agcagatgtt gatgaaccac 600
ctttccagaa ataaacagtg gcagggaaca gagaaagcct ggagaatccc catcagtcac 660
cagccggaga agaccttttc ctgggctgga gtcccttgctg ggggaacgtc tgttctctgc 720
agcctgaagn agctctgggc caggagncag cactcagcaa gtcctaagac caattaccat 780
cctgggtcca ttttgggttt gtaaagtcac ngaatttttc tctccagggc cttagtgcc 840
gtntgtaaat gtacca 856

```

&lt;210&gt; 1393

&lt;211&gt; 641

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (576)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (606)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1393

```

gtagtaattg aattattatc agaagtaaata tgacctcaaa aaaagtaatt gggaaaatta 60
agtttatggc actttgtgta ataactgtat tgatgatgaa gagaagggtta gtactgtaat 120
ttgttttgta taagtctagt gcatatttgg attgagtatg tttttaaaaa gccattgaaa 180
accacatttt gtttggcttt agttacagtc tttgactgtc ccaactatta actttattaa 240
ctttattcat acacatagaa atacattaca caagcatcaa acataaacat tcagatcact 300
cacttcatct ttctcctggg cctaaaactg tcagtatatt tgcagttttc tgatatgtgt 360
tgtctgcatt cagaggactg tcaagagtca tagataggca tctgaatgaa gctttgagct 420
tcttaaaatg caaggtgggt gaaacacagg ataccaggaa gagaaaggat attgttcata 480
tagttgtggc agtggccttg agaactgtct tggctagaga tagattagga atctgnatta 540
atcctggaca ttgggggttc ttttagtgat cccttnaget ttccctgccc ggctctaccc 600
attagntatc cagcaattta tggggccagtt aggaacctcc a 641

```

&lt;210&gt; 1394

&lt;211&gt; 712

&lt;212&gt; DNA

872

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (705)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1394

```

ggtggtggtt catggatggt gataaggaat taaaatgtac cgtgcgactc tctgtttcag 60
tggtgacttt tacctgttta gtataaatat tcctttgctt ccaaccataa atgtgttctt 120
agaaatgggc ctatagttta gtaacctata gtttggaat aggcttggtt gttttcagat 180
ggattttggt tctgtgagct aaagctatct tgcattaaag ccttcgtcct cacacattgt 240
tttgacatat ttctagtctt cataaacttt ttaatttag atttttttcc cttcacaaagt 300
atacatctgt tttagcaaat agccttatga aggttgtaga tgtattattt tgggcatgcc 360
tggtgatttc tatatttttt ccaattacat ttaaagcttt atgttttagg aatataagta 420
cattttattt ctacttttta ttatatatat ttaattgcac aagtactact gtctagaaaa 480
aaatgggatg ttgctaacac agcattggtg gcttgtaggc agtgctgtcc tgtaaataga 540
ttgaaatgta tttttatcag ctggtatata aatttgagga aagaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaangggggg gg 712

```

&lt;210&gt; 1395

&lt;211&gt; 920

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1395

```

aatttttcac ttccagacgg cgatacaggg attccagatg cgcttttacc gttccggtac 60
tgatattcag cgctctgccg atctccttat ttgattcgcc cgccgctaac atggttaaaa 120
tctcccgtg gcgggcgctt aacgatttga gatctttaat gtccttttcc ggcgtcgtcc 180
gccagtctcc aggcagaaac atcatcccca tcgccgcact atttaccgcc aacgcaaagt 240
tctcgacggg tgaatcacga ggcacaatgg ccagcacatt aaaatggata acttcctgta 300
accaccgttt attgcaatcc gtcgccgtaa ttaacacctt aacctcagga aattgcacca 360
cggttttttg cagcaaccag tagcaaaact caccatcctg atcgccatcg agcataacta 420
aggcttcagg gtaactttcc agcttttgcc ataactcgtc tgcctgactg gccccctgaa 480
tactcactcc tggaatacgc tgctgtaaac tgattttcat tccatgaata aatattgact 540
gctgtcaaaa catgactatt tgcataactg aatctccacc tgaatacgtt aaaaagactt 600
aagtagtgga aggggtattac ccgcgagaaa aaataagaat tcgccatttg gcgggtggcca 660
ttctacagag atgacgtgta gaaaatagtt accgatataa atagttacag ctaaacgcct 720
gaaattacat gtcgagggca ctatttaaaa caattttgag gatttcctta tattggtggt 780
tagtacgcat gcaattaaaa atgaaattcc gcgaccacaa gccaaaataa caaacggcaa 840
ggagacaaaa ataagcacia atagccaaca cgctctctgt tcacttttaa gggaatcgct 900
gaaaaatacg ctctgtttta 920

```

&lt;210&gt; 1396

&lt;211&gt; 1101

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

873

&lt;222&gt; (930)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1396

```

tcgacccacg cgctccgccc cgcgtccgca accccctctt taaaatgcaa aatggccctt 60
ccctaaaata acacacaacc acaaccgcag ctggctctgc acgaaggcca tgctgcagct 120
cttttcttcg gaagtcgatt ttctccgtg gaatttggtt gggcttgtgg tagcgtttga 180
gactctgcaa gagcacgtcc acgccaacca gtctctggtc accgactggc tcgcaaattc 240
cccatttaag gaaaccagca ggccctctgt atgaaactcg gggaaggaat gtgaattatg 300
ctccatgctg aggtctctgc tctgcacgt ttccagcct tttccatggg ccacgggtga 360
gcatttgggg aaggcctgtg tggattcccc cccaagtcca gactgatgcc cctgatacct 420
tctcaggagg tggcggaggg tctgggtctt gtccaggctc ctagggggtg ggacgtgcag 480
gtaaagcaag gcgtctgccg cagacgcggg agccttcctt gggctggctg ccagcacctt 540
ggagtcccag gctgccagga aaagtccacc cacaccggg ctttgcctgg gaagggtag 600
tcatatgatg gccgggctcg ggccctcagc agacaccaag tgtgttccca gagcagccgc 660
tcagcgcttg taacctggaa caggccagcy ttccggggsc tcagttttct catctgccta 720
atgggaatag caattcccac ctccctctgt ttgggtgggt tctcactaga tgcacaggag 780
acagcagctt kagagggact gtttggarar ctgttccatg tgacaccctt cttaccctgt 840
ccccacgggg ccggaggagc aggggcttgg tgatagcagc tgggcgcagt cagcctctgc 900
agggaagagg gcatgtttgg ttcgaggctn ytatgccctc attcttgttg atcttgtcac 960
agccctctcg gaaggtggag atggtactcg ctgaggaacg ataccactca aggaagcatg 1020
gccccctgga tggggtggcc cttggtgcac ctgaggctcc tgaggctgca gagcaccatg 1080
gtgggggagg aggcggctgt g                                     1101

```

&lt;210&gt; 1397

&lt;211&gt; 448

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1397

```

ttaggcagaa tgatcacctc cgttgtttca ggtactctgt gtttatttat gcaacagttc 60
atgtaaaatg gagacgaggc cagargawtc cttgagcagm cagagccagt tgggcctcct 120
aagtgcacct aaccttgctt gatttgcaag catgtctgaa actttatttg tggattttct 180
tgtaaatgcc tatgttaaag aaacacagaa cttaagctca accaatcaga agcagccaac 240
aaaaacgtaa ttagtaacta ggacttcctc atgggataga ccaaataagg caactgtata 300
actgtgtaac tgtataactg taaccaatga aatattatct ttgcttttat ctatttgtcc 360
taaaaagcct cctcctcatg ttctctctgg ggagctccct akccacttct ggmtcactgc 420
tcaaataaac tcytaaatat tttaaaan                                     448

```

&lt;210&gt; 1398

&lt;211&gt; 763

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1398

```

agatttacct tgagcacttt ccaaattgat actttcaaac ttatttttaa gcagtagaac 60

```

## 874

```

cttttctatg aaytaawtca catgcaaaac tccaacctgt agtatacata aaatggactt 120
acttattcct ctacacattct ccagtgccta ggaatattct tctctgagcc ctaggattga 180
ttctatcaca cagagcaaca ttaatctaaa tggtttagct ccctcttttt tctctaaaaa 240
caatcagcta ataaaaaaaa aatttgaggg cctaaattat ttcaatgggt gtttgaaata 300
ttcagttcag tttgtacctg ttagcagctt ttcagtttgg gggagaatta aatactgtgc 360
taagctggtg cttggataca tattacagca tcttgtgttt tatttgacaa acagaatttt 420
ggtgccataa tattttgaga attagagaag attgtgatgc atatataata acactatttt 480
taaaaaatat ctaaatatgt ctcacatatt tatataatcc tcaaatatac tgtaccattt 540
tagatatatt ttaaacagat taatttggag aagttttatt cattacctaa ttctgtggca 600
aaaatgggtg ctctgatgtt gtgatatagt attgtcagtg tgtacatata taaaacctgt 660
gtaaacctct gtccttatga accataacaa atgtagcttt ttaaagtcca ttgtattgtt 720
ttttctttca ataaaagagt ataattaatt gtgtgtgttt tga 763

```

<210> 1399

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<400> 1399

```

cgttgccagt gtatgacaaa agtaggagtt agtaaaactaa tatattttgt acattttggt 60
ttacaagtcc taggaaagat tgtcttctga aaatttgatg tcttctgggt tgatggagat 120
gggaagggtt ctaggccaga atgttcacat ttggaagact ctttcaaatt ataactgttg 180
ttacatgttt gcagtttatt caagactgct gtatacatag tagacaaatt aactccttac 240
ttgaaacatc tagtctatct agatgttttag aagngcccga tgtatgttaa aatgnataag 300
gtattaaata ccccttttg 319

```

<210> 1400

<211> 1575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1450)

<223> n equals a,t,g, or c

<400> 1400

```

gcaagttcag attcgtattt tggatgtcaa tgacaatata cctgtagtag aaaataaagt 60
gcttgaaggg atggttgaag aaaatcaagt caatgtagaa gttacgcgca taaaagtgtt 120
cgatgcagat gaaataggtt ctgataattg gctggcaaatt tttacatttg catcaggaaa 180
tgaaggaggt tatttccaca tagaaacaga tgctcaaact aacgaaggaa ttgtgaccct 240

```

875

```

tattaaggaa gtagattatg aagaaatgaa gaatcttgac ttcagtgtta ttgtcgctaa 300
taaagcagct tttcacaagt cgattaggag taaatacaaag cctacaccca ttcccatcaa 360
ggtcaaagtg aaaaatgtga aagaaggcat tcatttttaa agcagcgtca tctcaattta 420
tgttagcgag agcatggata gatcaagcaa aggccaaata attggaaatt ttcaagcttt 480
tgatgaggac actggactac cagcccatgc aagatatgta aaattagaag atagagataa 540
ttggatctct gtggattctg tcacatctga aattaaactt gcaaaactty ctgattttga 600
atctagawat gttcaaaatg gsacatacac tgtaaagatt gtggccatat cagaagatta 660
tcctagaaaa accatcactg gcacagtcct tatcaatggt gaagacatca acgacaactg 720
tcccacactg atagagcctg tgcagacaat ctgtcacgat gcagagtatg tgaatgttac 780
tgcagaggac ctggatggac acccaaacag tggccctttc agtttctccg tcattgacaa 840
accacctggc atggcagaaa aatggaaaat agcacgccaa gaaagtacca gtgtgctgct 900
gcaacaaagt gagaaaaagc ttggggagaag tgaaattcag ttcctgattt cagacaatca 960
gggttttagt tgtcctgaaa agcaggtcct tacactcaca gtttgtgagt gtctgcatgg 1020
cagcggctgc agggaagcac agcatgactc ctatgtgggc ctgggaccg cagcaattgc 1080
gctcatgatt ttggcctttc tgctcctgct attggtacca cttttactgc tgatgtgcca 1140
ttgcggaag ggcgccaaag gctttacccc catacctggc accatagaga tgctgcatcc 1200
ttggaataat gaaggagcac cacctgaaga caaggtgggtg ccatcatttc tgccagtgga 1260
tcaagggggc agtctagtag gaagaaatgg agtaggaggt atggccaagg aagccacgat 1320
gaaaggaagt agctctgctt ccattgtcaa agggcaacat gagatgtccg agatggatgg 1380
aaggtgggaa gaacacagaa gcctgctttc tggtagagct acccagttta cagggggccac 1440
aggcgctatn catgaccact gaaaccacgr agaccgcaag gcscacaggg gcttccagag 1500
acatgggccg gagcttcagg cagctgctgt ttgcactgaa cgaggaattc ttaaaaaatt 1560
tatttcactg gttaa 1575

```

&lt;210&gt; 1401

&lt;211&gt; 1313

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1268)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1291)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

876

&lt;222&gt; (1295)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1401

```

caacacccca tctctctctc tctaaaaaaaa gagaactggc cgtgagctat tgtgcccagc 60
tgggatcttg acaaagacac tatttctctc ctttcacctg tgctgtgtat ttttccctcg 120
cctagttccc agacctcact gctatatgtc ttctccctgg caggcaggat gacgcaaac 180
acggtgattg tgaatggagt tgctatggcc tctaggccat cccagcccac ccacgtcaac 240
gtccacatcc accaggagtc agctttgaca caactgctga aagctggagg ttctctgaag 300
aagtttcttt ttcaccttgg ggacactgtg ctttccacag ccaggattgg ttatgagcag 360
ctggctctag gggtgactca gatattgctg ggggttgtga gttgtgttct tggagtgtgt 420
ctcagcttgg ggccctggac tgtgctgmgt gcctcaggct gtgccttctg ggcgggggtct 480
gtggtgatcg cagcaggagc tggggccatt gtccatgaga agcaccggg caaacttgct 540
ggctatatat ccagcctgct caccctgrca ggctttgcta cagctatggc tgctgttgtc 600
ctctgctgta atagcttcat ctggcaaaact gaaccctttt tatacatcga cactgtgtgt 660
gategctcag accctgtctt ccctaccact gggtagacagat ggatgcggcg aagtcaagag 720
aaccaatggc agaaggagga gtgtagagct tacatgcaga tgctgaggaa gttgttcaca 780
gcaatccgtg ccctgttctt ggctgtctgt gtcttgaagg tcattgtgtc cttgggttcc 840
ttgggagtag gtcttcgaaa cttgtgtggc cagagctccc agccctgaa tgaggaagga 900
tcagagaaga ggctactggg ggagaattca gtgccccctt cgccctctag ggagcagacc 960
tccactgcca ttgtcctgtg agcygcaaaa gacccacggg ggtgcccgcg tgctccctgtc 1020
tagggcagcc caggggccccc actcctggct cctcacactt gcctccccta tggcgcgtct 1080
ccagaccctc ctcccttctt ctccccacat ccgcacctgc tgttcccact ctgggggttct 1140
caagtccatg aacagatatt gttgcatttt ccacaatgct gattaaacat aataaacaat 1200
ccagaaaagc aaaaaaaaaa aaaaaaargg cggccgctct aaaaggatnc ctcgaaaggg 1260
cccaagcntt aagcgttgca tngaaagtca naagnctttt ccctaatagt gaa 1313

```

&lt;210&gt; 1402

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1402

```

cactaaggga acaaaagctg gngctccacc gcggtggcgg ccgctctaga actagtggat 60
cccccgggct gcaggaattc ggacagagtg aacccttgtc tgatacgcac atagtgaatg 120
gagaaagaga tgaaactgcc acagctcctg catcacccac aacagayagc tgtgatggaa 180
atgcttctga cagtagctac aggactccag gcataggccc agtggctccc cctagaagaa 240
agaggggagc aaacagaaac caaggtaaaa gagagggaaa atgggggaaag ccctctggaa 300
ctggagcagc tggaccagca ccatgagatg aaggagacta atgagcaaaa acttcacaaa 360
atagccaatg aacttttgtc tactgaaaaga gcttatgtca accgacttga cctcttagat 420
caggtatttt attgcaaaact gttggaagaa gcaaacccag gctcgtttnc agcagagatg 480

```

877

gtgataaaat ctttttctaatt atttcatcaa taaatgcttc catagtaa

530

&lt;210&gt; 1403

&lt;211&gt; 1410

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1403

```
gaaaatgtat ataataggca aggaaagaaa tacagtactg tttctggacc cttataaaat 60
cctgtgcaat agacacatac atgtcacatt tagctgtgct cagaagggt atcatcacc 120
tacaactcac attagagaac atcctggcct ttgagcactt ttcaaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
gtcacaactt gatggctgcg aagacctacc ctccgttttt ctactagata ggaggatggt 300
agaagtttgg ctgctgtcat aacatccaga gctttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggatttt 480
aaagtatttt cttctctgtg agaaggttta ttgttaatac aagggtataat aaaattatcg 540
caacccctct cttccagta taaccagctg aagttgcaga tgtagatat tttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaaatac tatttaagat 720
gtgaaaatta cagtccaaaa tactgttctt tccaggctat gtataaaata catagtga 780
attgtttagt gatattacat ttatttatcc agaaaactgt gatttcagga gaacctaa 840
tgctggtgaa tattttcaac tttttccctc actaattggt acttttaaaa acataacata 900
aattttttga agtctttaat aaataaccca taattgaagt gtataatata aaaaatttta 960
aaaatctaag cagcttattg tttctctgaa agtgtgtgta gttttacttt cctaaggaat 1020
taccaagaat atccttttaa atttaaaagg atggcaagtt gcatcagaaa gctttatttt 1080
gagatgtaaa aagattccca aacgtggtta cattagccat tcatgtatgt cagaagtgca 1140
gaattggggc acttaatggt caccttgtaa cagttttgtg taactcccag tgatgctgta 1200
cacatatatt aagggtcttt ctcaaagaaa tattaagcat gttttgttgc tcagtgtttt 1260
tgtgaattgc ttggttgtaa tttaaattct agcctgatat tgatatggtt ttaagaagca 1320
gttgtagcaa gtgaaattat tttggagatt ataataaata tatacattca aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1410
```

&lt;210&gt; 1404

&lt;211&gt; 1442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1377)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1419)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1404

```
cttctatatt agatggacag atttatatac ttttccatgg aggattaagt aaactgaaac 60
ctaagacaca cgaagaaatt ctaagtggaa aggccactta ttagttagtt tacagcagta 120
```



878

```

tcgtaagtga caggatgata ggagtgtggt aagtgatcag gataataatc tgcttagtaa 180
gagaaacaat ttgaatttta gaaggaaatt gccttaccat ttgcaaatta aggtaattaa 240
aatacagtga atttcaaaat gcctttttaa tgacaatgtg tgaacttaat ttgttttaat 300
aaacccaaaat tgttggttatt gtgttaaggc tattttacat tgaatgtgta tcttgccact 360
gatgttaact tatcccatct tacccaaggt tgtaggtaac aatatactat tgggtgacag 420
tggactaaca tctctagtga tccctttgtc agtggctctt aacttaaaat aatttagaga 480
atatggtttc tacaacttac atttttgttt wcttgtaact acagattatt atgatggttg 540
taatgaagat tatgagtata attggagcta tatgtttctg aattctgaac aactatttat 600
aaaattttat cctacttttt tctgttgaac atatgacttc tctggctctgc taaacacata 660
cagaccttta gttttggttt acatggattt aaatatatag atatatcact gtaaaaaata 720
cttcagggtgt aacagattta tagagaaagt aatcataatt gtttatgggt gtgtacctac 780
tttgagaaga aaagaaaaat attagaatga acagataatt ttacaagtgt tgatcactta 840
ccagcaaac agaaacttca gagattttga aagcaaatct attttctctg ctgtgtatta 900
aattcattta tctaaaaatgt tattgctcct ggcttagaat catcttctgc aaattctctt 960
tttttggtgt ttgtctgttt gcctgttgct caccatagac ataattttct tttcataaaa 1020
cattctttgt ataatcacct cagagattat gaaagtgact ttgataaaat ttaatgggtgt 1080
tcacaaaata attttcacgt gagtaatttc acagtgcgtg tattgtatgt tatttagtgt 1140
attttatatt ttgtttcaat tagagaatgc tattgaatcc agtttttgtt tagttactgt 1200
tcattttact ttataaaaatt gacataattg agtttattaa atttattggg ccaatttaag 1260
taaacagttg aacgtttcat aagtcatgag gtcttttttg gcatatacat gaagtaaaca 1320
aagacaatac taggctatgt aataggragg ctacctaat taggaggtaa atattcnttt 1380
tggaaattgg gcccggtggc ctcgggtgga aaatgggna atatccctag gtaaaaaaat 1440
gg 1442

```

&lt;210&gt; 1405

&lt;211&gt; 1689

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (976)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1671)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1680)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1405

agctccaccg cgggtgacgnc cgctctagaa ctagtggatc ccccggtctg caggaattcg 60

879

```

gcacgagggtt acattcagta tggtaatgaa gaacagagaa aacaggccttt tgaagaattg 120
cgagatgatt tggttgagtt aagtaaagcc aaatatctga gaaatattgt taagaaattt 180
ctcatgtatg gaagtaaacc acagattgca gagataatca gaagttttta aggccacgtg 240
aggaagatgc tgcggcatgc ggaagcatca gccatcgtgg agtacgcata caatgacaaa 300
gccatttttg agcagaggaa catgctgacg gaagagctct atgggaacac atttcagctt 360
tacaagtcag cagatcaccg aactctggac aaagtgttag aggtacagcc agaaaaatta 420
gaacttatta tggatgaaat gaaacagatt ctaactccaa tggcccaaaa ggaagctgtg 480
attaagcact cattggtgca taaagtattc ttggactttt ttacctatgc accccccaaa 540
ctcagatcag aaatgattga agccatccgc gaagcgggtg tctacctggc acacacacac 600
gatggcgcca gagtggccat gcactgcctg tggcatggca cgcccaagga caggaaagtg 660
attgtraaaa caatgaagac ttatgttgaa aagggtggcta atggccaata ctcccatttg 720
gttttactgg cggcatttga ttgtattgat gataactaagc ttgtgaagca gataatcata 780
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caaaaaggag atggaaatgc acacagtaag aaagatacag aggtccgcag acgggagctc 960
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ctagataagt ctgctgtgtg gttggtgtct gacattctgg gatctgccac tggagacgtt 1080
cagcctacca tgaatgccat cgccagcttg gcagcaacag gactgcatcc tgggtggcaag 1140
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gggtactctg tatatgtgtt tcttctttgt atacgaatct atttatataa attgtttttt 1620
taaatggtmt ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg ncccccaan 1680
gggccccaa 1689

```

&lt;210&gt; 1406

&lt;211&gt; 708

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (675)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1406

```

ggttttggat gttgctgccg gcatgattaa accagggtgta actactgaag aaatagatca 60
cgctgtacac ttagcatgta ttgcaagaaa ttgctaccct tctcccctga attattataa 120
tttcccaaag tcttgttgta cctcagtga tgaagtcatt tgccatggaa taccagacag 180
aaggccctta caagaagggtg acattgttaa tgtggatata actctttatc gcaatggtta 240
tcatggggac ctgaatgaga cattttttgk tggagaagtg gatgatggag cacggaaact 300
tgttcagacc acatatgagt gcctgatgca agccattgat gcagtgaagc ctggtgttcg 360
gtacagagaa ttgggaaaca ttatccagaa gcatgcccac gcaaaggggt ttttagttgt 420
tcgaagctat tgtgggcatg ggaatccaca agctttttca tacagctccc aatgtacccc 480
actatgctta aaaataaagc agttgggagt gatggaagtc gggccatgta tttacaattg 540
gagccaatgg tttgtggaag gcggatggca ggatggaaac ctggggccaga tggttgggac 600
tgcggtggac aagagacggg aaagcgggtct gcttcaattt tgagccacca acccttcctg 660

```

880

gttcaacagg acaantgggt gtggaaaatc ctttaaccccg gcggcttt

708

&lt;210&gt; 1407

&lt;211&gt; 838

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (753)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (810)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (813)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (831)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1407

```

acccacgcgt cgcgtcatac caccaatcct gagcaaacc ttcttggaac taatttgaca 60
ggattttctt caccggttga caatcatatg aggaatctaa caagccaaga cctamtgtat 120
gaccttgaca taaatatatt tgatgagata aacttaatgt cattggccac agaagacaac 180
tttgatccaa tcgatgtttc tcagcttttt gatgaaccag attctgattc tggcctttct 240
ttagattcaa gtcacaataa tacctctgtc atcaagtcta attcctctca ctctgtgtgt 300
gatgaagggt ctatagggtta ttgcactgac catgaatcta gttcccatca tgacttagaa 360
ggtgctgtag gtggctacta cccagaacc agtaagcttt gtcacttgga tcaaagtgat 420
tctgatttcc atggagatct tacatttcaa cacttatctc ataaccacac ttaccactta 480
cagccaactg caccagaatc tacttctgaa ccttttccgt ggcctgggaa gtcacagaag 540
ataaggagta gataccttga agacacagat agaaacttga gccgtgatga acagcgtgct 600
aaagctttgc atatcccttt ttctgtagat gaaattgtcg gcatgcctgt tgattctttc 660
aatagcatgt taagtagata ttatctgaca gacctacaag tctcatttat ccgtgacatc 720
agacgaagag ggaaaaataa agttgctgcg canaactgtc gtaaacsma attggacata 780
attttgaatt tagaagatga tggtaggttn acntggccag ccaagaaggg naaccctt 838

```

&lt;210&gt; 1408

&lt;211&gt; 932

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1408

```

gaagaatctt actgaaaatc aagaagctct tgcaaaagaa atgcgagcag atgcagatgc 60
ctatagacga aaagtggatc ttgaagaaca catgtttcat aagctgatag aagcaggtga 120

```

881

```

aaccagagc cagaaaactc agaaggtgat taaagaaat ttggcaaagg ctgaacaagc 180
atgcctaaat accgactggc agattcagtc tttacataaa caaaaatgtg atgatctaca 240
acgaaacaaa tgttaccagg aagtagccaa actccttagg gaaaacagaa ggaaagaaat 300
agagataata aatgcaatgg tggaggagga agccaagaag tggaggaag ctgaaggaaa 360
agagtccgt ttgagatcag caaagaaagc ttctgctctt tcagatgcgt ctagaaagtg 420
gtttttaaag caagagataa atgcggctgt agaacatgct gaaaatccat gtcataaaga 480
agaaccagcgt ttccaaaatg aacaggactc aagctgtttg cctagaacct cacaattaaa 540
tgactcttct gaaatggatc cctcaacaca gatttcttta aatagaagag cagtagaatg 600
ggacaccacg ggacagaatc ttattaagaa agtgagaaat cttcgccaga gactcactgc 660
ccgggctcgt cacagatgtc aaaccctca tcttttggct gcatagaatg catgtcacct 720
tgagacgggc gagagagaga cctattttgc aatcagtgac attgattttt agattattta 780
tttaaaattc ctataaagat cagccctttg tacagaaaaa tgtgtctata aaaattatgt 840
gttatttaat tctgatactt tttggcttgt aaatggcttc ttgaactttt tacaataaaa 900
atgttttaga aactgttaaa aaaaaaaaaa aa 932

```

&lt;210&gt; 1409

&lt;211&gt; 765

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (671)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (749)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (751)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (760)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1409

```

caaaatcagt gctgtgcccc gcgtcaggcg tggagacaac agaaagttgt gcttaaagct 60
cgaatcagaa atccccggcg agtgtctctg tgctctccct gcttctctgc tctgtgccat 120
ccttactttg caccattcct attgcaatta cctcaaccag ttcgctgccc tcggctctctc 180
accagccaga gtgatcattt aaaatgccaa tcagttcctg tgggccttgg gaatmatyca 240
gaggagcccc attggctgag agataaaatt ctgtttttac ctgggcacgc gggtctctca 300
ggatttgatt ccagcttacc tttccagtct tgattcccta tattccagta tttggaaatg 360
tgggccttgg actgaggett taccaaataa cgctgarcac ctagtattgc cttttgcacg 420
aatgggtactg atgggtgcca agataactgc ctccamcccc aagttcagga cccagatcac 480
tctctggaga aggcctcagc ctcttgctk ggctttcaag gctctgcgtg atttggtatc 540
tcgcttagct cttattttata tatattttta aagcatcagc agtttatctc atgcccacta 600

```

## 882

aactatcctg cctccgtacc ctttgttcat actttctgct ctgtgtggaa tgcccttctt 660  
tcttccctg ntctttctct tagaccaag ggttctcaag ccttatttct gcctctccca 720  
tctcaaaaaa taaaataaat aaataaacnt nataaaaaan tcaaa 765

<210> 1410

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1410

agtgagctga gatcatgccg ttgcactgca gcctgggnga cgagcgaaac tctgtctcaa 60  
aaaacaaaaa aaacaaaaaa gcaaaaaaac cccacaatcc agtgagtaag acctcagccg 120  
gcctgaggtt cacagggttt aaatggaatg cagtgggaag taaagagtga tccaaggag 180  
aagtaaaaaat cttgacacct tactctcttc ggcttgtccc acttttcttc aactgccccg 240  
ctactggaac attttctctt tctcaatttc gattgtcccc ttaagcaatt tactaattag 300  
acattaaaaac ttcttattct ctcaatccca aagcaaaact gatgagcaga gcaaaccaga 360  
gcagttgggg ccagaacaga acaaagacgt acctgatgca ggggaattgaa gccagacca 420  
aaacggggga acccaatagg atggggccatc tgccccatt aatgccagct tgtccaagtg 480  
taattattaa cagtgcctccc ttctactctc caaagagtc tgtccagaca gt 532

<210> 1411

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<400> 1411

883

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nattatccct cactaaaggg aacaaaagcn ggngctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc aagtaattta tatttctatc 120
tggtgtgtat ataatcgtct ctttagagtt ccagacagct gctagtgtcc aaatatgttt 180
ttctaaagaa atattttgtt tgtgagtacc aacagtccta gtaactctct tatccctctt 240
atgtgctgag tacagtcgga ggaagaggaa ttggagttgg tgagtgtggg tttctgcttg 300
aaggaagttg aaaaagatgt agaaagtact aattctctta cgtgttggtta tctaaccaat 360
gtnccttttg ttacacaaat ttttttaaac actattcaaa cactttgaat aaagcaatct 420
actggtacta cagactctag ttttccctatt tataattgta tgtgttgacc cattttatct 480
gttgaggagg acattggaat agagccttta aaaacagtag ctgtccatga gcataggata 540
cttgtaatt tt 552

```

&lt;210&gt; 1412

&lt;211&gt; 1100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1412

```

ggctaaattc tactcttgaa gggctcgtagt ccacagcacc aaaatgactt aagtcctata 60
aaaaaaaaaa aaaaagttta attctctgca ctgaagaaag tccataacctg gctcattttg 120
ggcaattctt tctcagtttt atctttttct ttggctaaat ccttaatcat ctgcttcagc 180
tgtttctgat aatcaactgc atcaccttga aacaaaggaa aacaatatgt ggtttaattt 240
aaataaattc agtgacagca aaaaggaaac tatgtaggag agaggagcaa gggggtgagg 300
aattccacta agcaaattcc atacaaaact ggaaagcaag agattcccct ggagagccag 360
tgggtggtta ctgggggact tctgctctaa gaggaccctg gaaacagcaa acaggaggaa 420
ggaacttggg ggtgggggca aggggcagcc acccagcaac acccccacta ggagcacttc 480
tgtcctctaa aggcagttag tttggggata attcattgga cgaagggaaa agacaaggct 540
gctacaagaa gagggatgag ggcaaccctg gtgcctcccg ccactgcagt ggtatgcagg 600
ggaaagcaac aatgaaaaga ggtacgtgcc attgggtttc ccgaaaacca ggggtctcga 660
tgttgacaac agaggattcc tcaacggcga ctggctgtct cgggtcatttt cagttagtgc 720
ttaaaaaaag atgagagggt taaattaaac aaattttctg ccttaccaaa actgacagta 780
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tttgcagggt ccacgaaccc aaatgcacac caagcactgt ctggataccc agagaaaata 900
aaatgtcccc cacaccaagt gtgccttttc ccagagggtat gtggagactg ttgtaattaa 960
caacatacac attcatagaa ggacactgct aatactgatt tggaaaaaat gtatgtagt 1020
aaatcccatt ttgtaaaact gaaatatatc catgcacaca taaagtactc tagaaataaa 1080
tacactaaat ctcaaaaaaa 1100

```

&lt;210&gt; 1413

&lt;211&gt; 563

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1413

```

tttacatgtt cctccagtgt tgagaaaaac ctaatgccyt tttttgtgtt aagtttacct 60
attaatttta atttttgtag agatagaact tagatgacgg atttaacctt gaagtagggt 120
tgtattttta aatctatttg ctttgattac cacagacagt gattgaggta gatgggcact 180
atctggctgc ttatatgaag gttttgaaac cattctgtta atccttttaa caaatgggtta 240
tctgtccttt tctatcttat aataaaaagat tgaagatatg acttagtatg ctcatgttac 300
tgtttgctta gagatgggag gctatttttra tttttcatgc tgttctaaat catgaaagaa 360
taggtaaact tgtaactcatt tcttaattta aatttaagaa gcacttgtag attttttgta 420
ttggtatttc agatccctat tgagtttttt aactgaagtc ggagcaaatg aattgagcat 480

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## 884

tctgagtact tggctaataca agtgatgaag aggtagtaat atgaattctg ggacctaggc 540  
 atagatgacc tgattctgtt ctc 563

<210> 1414  
 <211> 583  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (3)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<400> 1414  
 ntnantaagg gaacaaaagc tgggggtcca ccgcggtgac gaccgctcta gaactagtgg 60  
 atcccccggg ctgcaggaat tcggcacgag catataaatt atcttaatga tctaggtatt 120  
 ttgttagggg aatacatata gtcaggatag gataagaggg gaagtaatga gtggtttact 180  
 aaatatataa gacaaacatt tcaagtaaaa atttcaggag aaaatttttt tttaggtttc 240  
 taagaaatat atttgtggat gtggaatttt tctgycagat gacgtaagag caaagttgaa 300  
 gatagctaata acytggggat tcatakggag gtaatttttt atttaaaatg agcaagaagg 360  
 accctagcct tttattgttg tcttggaac tcattcccca ccagtatcat tccttgaaga 420  
 aatggttggg tctaggtctg gggcaggaaa tatatgrgat aagctgaaac atcttgacta 480  
 tcagcaaaga ttttatcaaa cgatgctagg gttgtgtcag aaggactcag cagccaactg 540  
 aagacgttcc cactggccaa aatagggcac attgagtatc tgt 583

<210> 1415  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 1415  
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 agaacagtag gtgttccagg gcttttgtcc tgctgggtac aagcaagtag gattttgaga 120  
 aggtgtgagg aggaggtcag aaaaattggg ggaaatagga aagagaaaga aatatggccc 180  
 cgattttggg gagagaaagt ctgggggaaag agcaaaggca attaaagagg attttgagga 240  
 agagacttct gtaaaatatg tcttagcaac acttttttga gttgaaaata tttcttttta 300  
 gtgtgttatt ttttctaaga ggtgcctcaa gatggataat ggaagatttg gagtacgatt 360  
 gggttgacaa tccaaggaga ttcggtgaca tccagattac cctgaaaaaa aaaaaaaa 418

<210> 1416  
 <211> 513

885

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (473)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (498)  
<223> n equals a,t,g, or c

<400> 1416  
gcttacataa cctacattta tttcatagct tagtgattac attacacagt cagtcagaat 60  
ccttgattct gctattttact agctaagtgg ccacaaataa gttattttaa tcctctaagc 120  
ctgcttctgt agttgtaaaa tgagagttat agcagcacct accacctaag attttgaggt 180  
ttgaatgaga aaatgcatgt aaagctttgg gcattgtgca tgatgtaaac actcaaagt 240  
tactgaagtc aataaatgtt aactattttt tagcacactt cagtgggctt atatcaccag 300  
tcaaaaatgat acacagtatt ttattttaatg gctttatgta aatttatatt tactagctat 360  
taataaatta actcttgga cttttgccat ggtttaattt gaaaaattga aaataaatgg 420  
aaaaatcata aaaantccat ctattttggg atttacacat aataaccact atntgggtcc 480  
aaagtttaaa aatactancc atggctgggc cgt 513

<210> 1417  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<400> 1417  
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ttttattatt ttaactcttc tccttaggac acgcagcccc caatttktc ctcgggctg 180  
ggcgggccct ggtcccgcgc gccacatggg agagcgaggg acctgcccgc ggcccgcgg 240  
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ggacggagag gcaggtgaga gggaggtggc taagctggst atggtgacag gacgatgttg 360



## 886

gccagaaaga gtatcatccc ggaggagtat gtgctggcgc gcatcgccgc agagaacctg 420  
cgcaagcgcg catccgagac cg 442

<210> 1418

<211> 929

<212> DNA

<213> Homo sapiens

<400> 1418

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ttaaacaaca aggaaagaaa ctaccttttt ataatgcaca actgttgatg gtaggctgta 120  
tagtttttag tctgtgtagt taatttaatt tgcagtttgt gcggcagatt gctctgcaa 180  
gatacttgaa cactgtgttt tattgtggtt attatgtttt gtgattcaaa cttctgtgta 240  
ctgggtgatg caccatttgt gattgtggaa gatagaattc aatttgaact caggttgttt 300  
atgaggggaa aaaaacagtt gcatagagta tagctctgta gtggaatatg tcttctgtat 360  
aactaggctg ttaacctatg attgtaaagt agctgtaaga atttcccagt gaaataaaaa 420  
aaaattttta gtgttctcgg ggatgcatag attcatcatt ttctccacct taaaaatgcg 480  
ggcatttaag tctgtccatt atctatatag tctgtctttg tctattgtat atataatcta 540  
tatgattaaa gaaaatatgc ataatcagac aagcttgaat attgtttttg caccagacga 600  
acagtgagga aattcggagc tatacatatg tgcagaaggt tactacctag ggtttatgct 660  
taattttaat cggaggaaat gaatgctgat tgtaacggag ttaattttat tgataataaa 720  
ttatacacta tgaaaccgcc attgggctac tgtagatttg tacccttgat gaatctgggg 780  
tttccatcag actgaactta cactgtatat tttgcaatag ttacctcaag gcctactgac 840  
caaattgttg tgttgagatg atatttaact ttttgccaaa taaaatatat tgattctttt 900  
ctaaaaaaaa aaaaaaaaaa aataacggt 929

<210> 1419

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1419

cgcacaaact ctttgaaccc gctgtaaaag atttgtaaat tcgcttgccc caaaattatc 60  
gcactggcga cgtgattttm atcactatgc agagtctggc tgggtggaat tccgcactgc 120  
cacccttggt gcggaagaat tgcaccagct cggctattca ctggcgctgg gtcgcgaata 180  
gttaatgaaa gtagccggat gggattacct gatgaattca ctytacaacg sgaattcgag 240  
cgcg 244

<210> 1420

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1420

cagcaattcg gcagggacgg gtcgccggct gcttacgtgg gcgggcctag tgtggggctg 60  
aggggtcggg tcgctatggc ggtggacatc acgctgctat tccgggccag cgtcaagacc 120  
gtgaagacrc ggaacaagcg ctgggagtg ggtggggcga cggggtcgat gg 172

<210> 1421

<211> 2293

<212> DNA

887

&lt;213&gt; Homo sapiens

&lt;400&gt; 1421

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tttttttttt tttttttttt tttttttttt tttwactttt taaacaatcc attttaatca 60
tctaaattat ttacaataca ataacatgga ttcacccctt ttaagacatg ggattgtaaa 120
aatcaacaag tgaatgatgc ttcaaataat acattttaaat acattaatca aatttttttca 180
gtgcttaaaa cttttttctcc atgggacagc aggcctctgga caaaagtgcc tagcatacaa 240
gtttttccaa tttccttcta tcataccagc tgcacataaa aagggttcac acctcctgtc 300
tccaaagtgt ctccctactg agtggttccca ggcagacaat agttcctggg atagtgtctgt 360
ttggtaacag aaaagcccaa gcgtagagga cggattaaaa ggcagggacc agaccrccat 420
ggatacaaat cccaagacag aggatgcccc atgccttccc catgaagctt atctgtctgc 480
ctgtgtctcc atgattgcag gcatagagct acttgggacc tccaggatga tttacttagc 540
gatatgcttt ttacattcta agaatacaaaa tggctctgta attcccaata gagaaaatag 600
agccaattca ttgttctccc ctctcccttc tgaagccagt ttttaaagat gaggccttacc 660
cagaaaataa gccccaaaga actctcatct aaatgatcag acccttcccta aattaccttt 720
ggcaacctag gtaattcttt tttattacac acctccaacc tgaccttttc tacagtttca 780
actataaatg ttcattgcccc tcttcaataa acgttgctag gatgaatttg ccacagggtt 840
gagtacagag agaacaagca agaaaaatgt cagtgtttat ttttaaggaga gtggccagga 900
tgtagtcct cataattggg ccttctcttc tctctatcct ccaaggtaag ttctttgttg 960
acttgataag ctttagtctt tctgtacaac ttctagaaga tgcacttaat ggtgcttctt 1020
tgcacttcca gaactcacct tctattctac ctgtaagggt gtaggggagc atcccaatca 1080
acataaggcc taccctttta gccacgaaaa tcagccaggc atcatgtttc tgcaccacca 1140
cctgccttcc tgacggacac tgggtgctgat gacaaaaatg ggacagtacc gcagctgggt 1200
tctctttttc gagtgtgtag ataagaaata aaaaacattt tcattccctc acaagcttaa 1260
tctagtaata taactgccta aaaaaaatca aaccataaat aaacctatgt gctaaacaaa 1320
tcacatgact tgatgacttc tctaaaatta atgtcaagga aaaaaggaaa agttgatccc 1380
aagtaaaatc ccttgaccac agctgtctga aattagccag gggaaatggga gacaccacca 1440
agaacctcag ctcttttctg ccctgtattt caaggggagt gttgtggcct tcacaaatga 1500
aaattatgaa tcacaaagat aaacgtcctc acttctaacc tggatgaatcc tcaggaatgt 1560
catgaggatg acaacacagg gttaattcat tttttctcag tctccccctt gactccacaa 1620
aagctttgcc ttcccaacac aaggggctgg gaggtccagt ctagacagag catgctgttg 1680
gggtaaacag taaccatgtg atcccatgat tcccagagct ctgagcaca agcttttcat 1740
cccagtggca actggaatgt gggtaattct gtaaaactcat ggccacacct ttaatgcttg 1800
gggacagtgg gtggagtcag ccagagctct tttccaaact catctagggg cttctctctg 1860
gaaaagctta gtgacgttct ccgaagggtt attttggtta ggagtattgc taaaacactt 1920
tttaaaaaat cactttgaac acatgtgtaa gctgaaaaga aaatgacata tatacctcca 1980
ttgaagctgg gaaagtgaaa aggctgacga aatgtctgaa atcctgagcc tttcctgggt 2040
ctattttaat acagcgtaca ggtaacagat gatctcattt accttctgaa tgaccagca 2100
ctcaatttcc ctaaaactgc tcagctccac ttggaaatca ccaggggact tgagaatctt 2160
ccccttagac tcagggagac acccagacca ggaagaaggg cactgatgtt ttcagggacc 2220
caaaagccca cttttttttt tttttttttt tttggaattc gatatcaagc ttatcgatac 2280
cgtcgacctc gag 2293

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&lt;210&gt; 1422

&lt;211&gt; 1660

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1422

```

ggccgcggat ggggctggga ggggacggtc ctgccgggag aggcgggagga ggacaggggtg 60
gggttgcggg cccggcgccg cccctccccg ctcttggtct ccctcgcttg gtgccccgcg 120

```

888

```

cctggccggg aggcggcggg tctcgatcgc gcgggcctcc ctggaggggc gcgggctctg 180
gcggcgggga ggcccctgct cagcgcaatg gcgggcttgc atccttgggt gattttttcg 240
ggcccccttgt ggcccttctgt cagcgctaga gagcaaacca cccgcaccac ccaggagcag 300
ataaaatcga gaccacagcc tscaaggag cgcgctcca tcctgtttgc ccctcgggtc 360
gccgtctgag ggcgggcccg tgcccgtca gagctacat ccgagtcgta taaagcgctg 420
acagcagaga aagctgcggc tttgctccgt gcagatgagc aggggctgag ggaggacgct 480
gtgctctcag tagccgcgct tggcccgggg accctgcagg cttagaaacg tgagtcacgc 540
ctgcagcgtg gcgaggaaac gccgttgatg tggcatcctc agcctggggt tgtggcttta 600
agccagaagg tcaaaaaaag aagtcttcct gagctgagac tgccctgagt cgctttaggg 660
gcgaaattcc gagcatccgg ttgcatttcc tgaggatgac acgctgggtg ggtgtggacg 720
gcctacaggg gtccatcctc agcggccccct ctgcagggca gagtctcgt ctcactctcc 780
cagctgactc ctctcaagcc tgtaaacat tgtaacgct cccaaggact ccaagcaggt 840
tggacttcag ggaacattgc agtttgggtc ttggccattg ttactactcc acctgcata 900
rgtgcttgag gatcacacaa ccagatacgt agatcatccg tagatcatcg cagtcacatc 960
gaagatttgt ttataatagg aaaaaaaaaa agctrccac tgtcatgcgc tgggaaactr 1020
gtgagctgaa ggatgaccca tctgtaaatg ggggtgctccc taatggacag ggcacccttc 1080
agaagcctgt gctgtgtctc cttgacccca ctgtgagctc cccgtcccgc acgctgatct 1140
aatcaagct gctagcccat ggagaggcgt ccgcacggca gcccgggcc tgagatgagg 1200
ggcagtcacc cattcaatta ggaaacacca gcaagtgcc gaagcttctc attagcaggt 1260
cagctttcaa taactggttt atccagggtg gtgagaccg ataagcagaa gggaaagctc 1320
ttagcgacct atccagctgc tctgactgg gtcctgaca tcccagaaat cagtacatct 1380
gtcttctggg gtccaagagg tatttcagtt tctctggctt tgtttccgt catttgtacc 1440
tggccctgca gactacccca gtatttccat cataataccc ctgtgggcag gtgcatacct 1500
catgacaata tttaatatta atagatttct gtgtgtctc cagaatggaa aggggctgtc 1560
tattccttga gctagttggc ttgctaaaga ctattgactt cattcttctt ttcctatcta 1620
cctaataaac cagtgttcat aaaaaaaaaa aaaaaaaaaa 1660

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&lt;210&gt; 1423

&lt;211&gt; 310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (115)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1423

```

ggcagagttg acaccagca gtaagctaac agtggacaca gatactctga ctcttckag 60
caccctttgt gaaaacagtg tctcagaact actgacacca gccaaagcgg agtgnagcng 120
acatcctaac tctgacttct ttggrcagga gggagaaacc cagtttggat tccccaatgc 180
agcaggaaac catggttctc agaaagaaag aaatcttatc actgtgactg gcagtcatt 240
tttggtatga agcaactcta ttcattcctt gccatgtggc taacttttat tacagtcaat 300
tttgaggata 310

```

&lt;210&gt; 1424

889

&lt;211&gt; 3106

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3075)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1424

```
gctccaccgc ggtngcggcc gctctagaac tagtggatcc cccgggctgc aggaattcgg 60
cacgagactg gcgncaacaa caccaaggcc tttagaggtcc cagcgnngggc caatttcctc 120
aattccaatg atgtctttgt cctcaagacc cagtcttget gctatctatg gtgtgggaag 180
ggttgtagcg gggacgagcg ggagatggcc aagatggttg ctgacaccat ctcccggacg 240
gagaagcaag tgggtggtgga agggcaggag ccagccaact tctggatggc cctgggtggg 300
aaggccccct atgccaacac caagagacta caggaagaaa acctggtcat cccccccgg 360
ctctttgagt gtccaacaa gactgggcgc ttcctggcca cagagatccc tgacttcaat 420
caggatgact tggaagagga tgatgtgttc ctactagatg tctgggacca ggtcttcttc 480
tggattggga aacatgccaa cgaggaggag aagaaggccg cagcaaccac tgcacaggaa 540
tacctcaaga cccatcccag cgggcgtgac cctgagaccc ccatcattgt ggtgaagcag 600
ggacacgagc cccccacctt cacaggctgg ttcctggctt gggatccctt caagtggagt 660
aacaccaaat cctatgagga cctgaaggcg gagcttggca actctaggga ctggagccag 720
atcactgctg aggtcacaa ccccaaagtg gacgtgttca atgctaacag caacctcagt 780
tctgggcctc tgcccatctt cccctggag cagctagtga acaagcctgt agaggagctc 840
cccgagggtg tggacccag caggaaggag gaacacctgt ccattgaaga tttcactcag 900
gcctttggga tgactccagc tgccttctct gctctgcctc gatggaagca acaaaacctc 960
aagaaaagaaa aaggactatt ttgagaagag tagctgtggt tgtaaagcag taccctaccc 1020
tgattgtagg gtctcatttt ctcaccgata ttagtcctac accaattgaa gtgaaatttt 1080
gcagatgtgc ctatgagcac aaacttctgt ggcaaatgcc agttttgttt aataatgtac 1140
ctattccttc agaaagatga taccctaaaa ggagcctatg gtcctcattt caacttctaa 1200
ggtcgctaga ttgtttctat cctgaggtat tgcacaaatt ttaatactcc tatagttttc 1260
tcttcttaga agagcacaaa cactccatgg aacattagag ttctgaggca ctaccctagc 1320
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tacatcttcc ccagagtaac agcttttctt tttcacatat actttcctta ctgccttact 1440
cagtgggtaa gttaaagggc tgaaggagag ttgaatggtc cacaagacta ccctcttaag 1500
aggtttcaca aattccaaac agtaccagtg agagcagcac ttccactggg gctaggcttg 1560
```

890

```

agacctaaag gcaagtatga aatgcatatg ctacttcact ccctctccca acccttaata 1620
atgaggcaaa gcaagagcct agtgaaggcc aatgctaggt ttacaaactt acccagaagc 1680
ctctgcaaaag cttcacaggc tcctcagatg aaaataacag gaatcaatgg ggactacggc 1740
cagacactgg tttgccattc tgttcctttt aagaagtaac agtgctgcaa ggaagtccat 1800
gtcagaaagc caacagaagg tgatttccac aactttgaac aggttggttac aagtatcagc 1860
aagaatgtgt ccttttcaga aataacagtc aaatcaaaga aggttaataa aggctttaat 1920
ttcatacaca caaaaaaact ctatgcataa tttaaaaagg aaacaaaaac aaagaaaaac 1980
cgtaaaggat acagaggaac agttctgcta aaacacagat aaaagtgccg ctccatacaa 2040
aacataaaga atcagaatca aaagtcactc tgaacataaa gaaaaaaaat catctcaca 2100
ataatgtggc cacagctgcc agaaaacctg gtagtggttc aattaggcaa agtgtaggaa 2160
tctcattttt gtttttctct ccttaagttt aaagaaacaa caatgacaat aggccagaga 2220
agttagggag ggaaagaaaa gctcaaaggg agggaaacct ggggacaaga ggtgtgcaca 2280
cccacatgtg gtctcactct tcacacaggc ccactatttt tgaagtagac cagtttagtt 2340
gactgttctt ctttgttctg gcactctgact ggaccaacct ggaacctggt ccagaccctc 2400
accactcta ttcttatgcc aatggacata cctatacttt gaacctctgt acttttaaga 2460
aaagtccaat gttacaaaat caaatgctta tattcagact ggcacacttt ttaaataaaa 2520
actccataca cctcagacat atagcacaca tggagacaac ttactaattg tgtgtaagta 2580
tgatacaatg aatgagactg cctgaagtct agtaatcaaa gcatgccata aggtgaatga 2640
ttgtgggtta acacagcaaa ataattgtca caaaactttc aaggcctaac aaattagaat 2700
tttccaataa aaaatatata ttttttcaga tggttaataag acatatcagt agagacaaaa 2760
ttaggatttt gaagtaatgc aataaaaaga tgttggaggg cagaagtcta tttagttttt 2820
gtatacactt gcaagagtgc attactcagt ataaagcaaa atggggagga aaaagacatc 2880
catccatttt attggaacac ttttatgtga cttgaatctg gtgttaggtt gttgattttt 2940
ctaaaaatct cctatatata caaatccat atgtacttgg agatccagct gttgccccct 3000
gtttaaaaca aaagaccacc tcgggggggc aattaaatta aaaaggccct ccaaccaccc 3060
taaatgggat aactnagagt atctactgca gtcatttcag aggaca 3106

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&lt;210&gt; 1425

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1425

```

gtcgtctacc gtctcgctat agccgttttaa gggaagaagg aggaaaataa cccggtatcg 60
ttagaggttg gtgtgtgggt gggaactggg gaccagggg tggatgatga gaagaccaga 120
gcggggttcg ggggccgmct ccgcctcttt cgttctctgc tttccccctc cccctcgcgc 180
tctctccctc ctcccccca tytcagtgcc gggaaagccg cctgtgctgc gcctggtggg 240
gaaatggttg acgctcatga actgtgtatg tggtttttgt annatctgtc tgtcttgggc 300
ccggttttcg gggggacccc taaagggtga cctaaagggg aaaaacgggt tt 352

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&lt;210&gt; 1426

891

&lt;211&gt; 1967

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1956)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1426

```

gttgcaggcc atcccagcca agaaggcccc gctgcagctc ttgagccgcc tctgcgggga 60
ccacttgcag gccatcccag ccaagaaggc cccggctggg caggaggagc ctgggacgcc 120
gccctcctcg ccgctgagtg ccgagcagtt ggaccggatc cagaggaaca aggccgcggc 180
cctgtctcaga ctgcgggccc gcaacgtgcc cgtgggcttt ggagagagct ggaagaagca 240
cctcagcggg gagttcggga aaccgtatTT tatcaagcta atgggatttg ttgcagaaga 300
aagaaagcat tacactgttt atccaccccc acaccaagtc ttcacctgga cccagatgtg 360
tgacataaaa gatgtgaagg ttgtcatcct gggacaggat ccataatcatg gacctaata 420
agctcacggg ctctgcttta gtgttcaaag gcctgttccg cctccgccc gtttggagaa 480
catttataaa gagttgtcta cagacataga ggattttgtt catcctggcc atggagattt 540
atctgggttg gccaaagcaag gtgttctcct tctcaacgct gtctcacgg ttcgtgccc 600
tcaagccaac tctcataagg agcggaggctg ggagcagttc actgatgcag ttgtgtcctg 660
gctaaatcag aactcgaatg gccttgtttt cttgctcttg ggctcttatg ctcagaagaa 720
gggcagtgcc attgatagga agcggcacca tgtactacag acggctcatc cctccccctt 780
gtcagtgtat agagggttct ttggatgtag acacttttca aagaccaatg agctgctgca 840
gaagtctggc aagaagcccc ttgactggaa ggagctgtga tcatcagctg aggggtggcc 900
tttgagaagc tgctgttaac gtatttgcca gttacgaagt tccactgaaa attttctat 960
taattcttaa gtactctgca taagggggaa aagcttccag aaagcagcca tgaaccaggc 1020
tgtccaggaa tggcagctgt atccaaccac aaacaacaaa ggctaccctt tgaccaaata 1080
tctttctctg caacatggct tcggcctaaa atatgcagaa gacagatgag gtcaaatact 1140
cagttggctc tctttatctc ccttgccctt atggtgaaac aggggagatg tgcacctttc 1200
aggcacagcc ctagtttggt gcctgctgct ccttggtttt gcctgggttag actttcagt 1260
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atgccagtct ctgccagttc cactgcccc ttgatctttg aaggagtcct caggccccctc 1380
gcagcataag gatgttttgc aactttccag aatctggccc agaaattagg gctcaatttc 1440
ctgattgtag tagaggttaa gattgctgtg agctttatca gataagagac cgagagaagt 1500
aagctgggtc ttgttattcc ttgggtgttg gtggaataag cagtggaatt tgaacaagga 1560
agaggagaaa agggaatttt gtctttatgg ggtgggtgga ttttctccta gggttatgtc 1620
cagttggggt ttttaaggca gcacagactg ccaagtactg ttttttttaa ccgactgaaa 1680
tcactttggg atattttttc ctgcaacact ggaaagtttt agttttttta gaagtactca 1740
tgcagatata tatatatata tttttcccag tccttttttt aagagacggg ctttattggg 1800
tctgcacctc catccttgat cttgttagca atgctgtttt tgctgttagt cgggttagag 1860
ttggctctac gcgaggtttg ttaataaaa tttgttaaaa gttaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaancccc gggggggg 1967

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&lt;210&gt; 1427

&lt;211&gt; 879

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1427

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attccccacc cgagcacctc cacaccggtt ccctcctcca tataatcttc tagagatctt 60

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892

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aaccagtttc tatcccttac ctgcttttct cttctcttct cctgctccgt tcctcatcca 120
cccctcccca tctggaccat aatagacacc aaaacaaacc caaattggta aaaagaataa 180
tcaaaaagaa gacattatcc ggtaagagt ctgtgctggg tgccacccaa gagagaacag 240
ttgtccagga tgctggctgg tggaacaacc tgctggcccg aaacaaggct gccagggtgtg 300
gatacctgag aaggactact tggatatcaa tacttttgag atggctacag tcagctagct 360
ggacagccca tgctgactgg ggacatacac ttgcatcttt gttgaaagca gaagaagaca 420
gaccctttcc ccaccttcct tacctcctct cccccatta aggcagctca tccaagcttg 480
tatttaactg aataaatgag tagacattgt ggacctcaca agattattta attcttaaga 540
tgtgtagacc ttgatggtag gtgtgacatg ttagtttttc ttacttgcat ttatttaaga 600
cactgttaca gagatactgt tgtcaccttc tggggcacgg tctttgggga gaggggagtg 660
catttagact tatgtggaac tgtacaaatt gtgatgtggc tacatagaaa gccatgtgct 720
aagaataaac tccatttaaa aaacattaaa aatctaagat tcatgtgttt tctaagcttt 780
tcattaagaa aacaaaagtc ctctggattg agatacttga ccttgcatgt aaaaaccttg 840
tagatagctt gagctggatt cacttggatt ctgacggct 879

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&lt;210&gt; 1428

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1428

```

ctgcgtccat ggccaccgct ggcactgagg agcccttccc ttttcacggt ctctgccga 60
agaaggagac cggagccgcc tccttccctc gccgtaccc ggagtatgat gggcgggggg 120
tgctcatcgc agtccctggac acggggggtcg acccgggggc tccgggcatg cagggttaca 180
ctgatggaaa accaaaaatc gttgatatca ttgatacaac aggaagtggc gatgtgaata 240
ctgctacaga agtagagcca aaggatgggt agattgttgg cctttcagga agagtgccta 300
agattccctg aagctggaca aatccctcag gcaaatatca tattggcata aaaaatggct 360
atgacttcta tcctaaggca ctcaaggaaa ggwtacagaa agaacggaag gaaaaaatct 420
gggaccctgt tcacagartg gcccttgtag aagcctgtag aawacaggaa gratttgatg 480
ttgccaacaa cggctcttct caagcaaata aactaatcaa g 521

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&lt;210&gt; 1429

&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1429

```

aagtcactgg gcttagctgg cctctgagcc tgtatgaact cttgttgctg aggcaaccat 60
ggacctgttg ctaggagata gctggggaag cccaaggccg ccagggcag agagaggaga 120
cgaagagttt gggacagtgg gggaggagat gggaagggat gggatttctg ggtcccagag 180
cgggtgggat actcacgcac agcttcttca ctggtggggg gtggggcaca cattatttct 240
cactggtcat gatttacaag aagaaaaata aaactgcttt tggaaccaa aaaaaaaaaa 300
aaaaaa 306

```

&lt;210&gt; 1430

&lt;211&gt; 745

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

893

&lt;222&gt; (470)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1430

```

aaccaagac aatgagctag ttttccttaa agtttgctga actattaagg aatatgttct 60
tatagctttt gactagaatg agtcatggga attctaaraa gggatggcct agacattttt 120
agctcagtta aattcagcat ttaatgcagg tgagttcctg ggtcgttttc caactagtct 180
ggaacagtct ggttctgact caaactggta taaagcatta ttttagggtt tctctttgcc 240
agtttttaag cagttataac catgtaaatc aagatgtgag gacatctata tgaagtatag 300
taaagaagtg gtgtcagcag atcaatatgt gtgtcctggg tgtgctgctc tcttaagtga 360
gactttgtga gactatactt taaatgcatt attaccattg cttacatttt gggggatttt 420
cttcctcttc aaaacttcca tttctattgt aatattctta atgacaatcn tttttttttt 480
ttagcagtgt atgtttgaaa cagccaaaga tggcgatgaa ccaagtgtaa attgatctaa 540
gcagcccatg cagtttgtgt tgaatcaaca aacagtgtat tgttgaagtg aaattatttt 600
ctgaaatgac ttgttagacc agttttgagg acatactcaa aagtagagta ataatggctc 660
ctgggatgga gaaatatgag atgaacctgg aacattctat tatggtgcca caaaggaaat 720
ctaaaaaaaa aaaaaaaaaa aaaag                                     745

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&lt;210&gt; 1431

&lt;211&gt; 931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1431

```

cagccccaat gtccagcctc tttaacatct tctttcctat gccctctctg tggatcccta 60
ctgctggttt ctgccttctc catgctgaga acaaaatcac ctattcactg cttatgcagt 120
cggaagctcc agaagaacaa agagcccaat taccagaacc acattaagtc tccattgttt 180
tgccttgggg tttgagaaga gaattagaga ggtgaggatc tggattttcc tggactaaat 240
tccccttggg gaagacgaag ggatgctgca gttccaaaag agaaggactc ttccagagtc 300
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acacagccaa tacaattagt caaaccactg ttattaacag atgtagcaac atgagaaacg 480
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tgacctatth tattttttcta taatgatcat atattacctt tgtaataaaa cattataayc 660
aaaacattct gtttaccttt tcagggctgt attgattggg gtgtagactg aactatccgg 720
ggtctgtttc ttttcggtga tgaaagtctt gagaaggtag taatggataa gatgtgaggg 780
agaggagaga gggagatttg gagtgtaggg tgagtgtccc tcttcttaga actgaatact 840
cttcttctaa tgaacttgta ttcttgtttc catgtcttct tccctttcct tctatagcaa 900
ataaagcatt cactttgttt tggaaaaaaa a                                     931

```

&lt;210&gt; 1432

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c



894

<220>  
 <221> misc feature  
 <222> (341)  
 <223> n equals a,t,g, or c

<400> 1432  
 aattaaattc tttgcaaaat tgaactttct aactaaaacg tgtccatgtc agaattttta 60  
 ctgttagcag gtagtttgtg gcaaagatgg ctaaataatg aagcaaatta gaatctgcgt 120  
 gtatactaata gagctgcttt ttttctgttg agactatcat tatttgcctt attaccaag 180  
 aggcaattac ctgaatttgg atgtctgaat tataacttat gcaggaatag ttctgtaaat 240  
 acattttaaata aaactgtaaa gatatttaata aaatatagta ttataactaa aaaaaaaaaa 300  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaaaagggaac 360  
 caaa 364

<210> 1433  
 <211> 2593  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (180)  
 <223> n equals a,t,g, or c

<400> 1433  
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 gtttmacatg taccatgtac atgtcattac tatatttcaa tgcacatgc ttgtaacagn 180  
 gcatttccatt tataataaga atgagttatt catttgtaag ccgttcagta atttatctac 240  
 tattcctaaa ttggcataat gttagataat ctattttgaa tcaccttta ttacatgtca 300  
 gaatgcctta actaccctaa cttgacaaaa cagaattctt tggtagacgc ggtgggggcg 360  
 ggggtggggg tctggacgga gtctctattt aaggagaaat catcatgcta tgcataaaac 420  
 acagaagcat gagtggcaag tggcggggta tttattttgc aaaaactatt tgcagtctct 480  
 gtgtatttaa aaagtaaaga aagttgcatc cagaagggtt ttgttagaat gaatacattt 540  
 atattaggac tgacaacttc agctcttttg tttagggttt caattatttt tggtaagagt 600  
 atgtagcctt atgatctgga tatattttgc attcattttc caacgcctac atttaattcc 660  
 tggtaagagc agtgcctctc aagtttcttg tttttctctg ctctcattta acccgtcaaa 720  
 cacaatcttt gtaaagctag attggtggtg ttttatacaa cttattttact cagcttacct 780  
 ttttgagaaa cgattgttag aaattgacga tgtgtttgtt ccagtgtatc tgaaagtagt 840  
 gggggcaaga attgagtttc acagtgggaat tggctttgga tctggcctat agattagtga 900  
 cataaaatat tttctctatt ttccctgtt ctttttgtgt tatgcactta attttatgac 960  
 tgccgggggg gtcagctgga gtgctgctta acaagtatct ctctactct cagtgggtcag 1020  
 aggctgtgtt ggaccatag tagaattttc cagggtcacag acccaagctt ccatgggttg 1080  
 ttactgtgct gtaccacttg gtgggtctga ttctgaacct gatgtgtgtg ttaattatat 1140  
 ttttaagcaac acacacacac acacacgcct catgtaatgg acttttataa caaaagaaaa 1200  
 aatttggatt tctaattttac aaatggcaaa ttatttatcc ctctctggat gcaccaaaga 1260

895

```

ccagtaaagt ttatagcttt tccatctata ttataaaagc aatactgtat tataaaaaatc 1320
aatattttta tcacatgctt gaaattttta ttttggtgtt ttaaaatgtg cactctaaac 1380
atatcagaac cttattttct cctatgaact taagctgcct gcgcacaaaa aaaaaaaaaa 1440
tttaccaaag ggagatgcag tagagtccat aggctctaaa aactaaaaga aatgggatgc 1500
agggggaaca agttatttgt cctgagttac tgtacttgct tgacatgggt gttgggtact 1560
aaatcacaaa agaatccatt ccaggatgc atgtctgggg gttgggctgt gtctagatta 1620
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gttctggata ggacagtagc ccggagatgg aaaccacctt cagtaccatt agcccaccat 1740
accaagtaac aagttaggca ggaatcgtgg gaatttattg agtcagcttt gagtgtttga 1800
gagaatgtaa acaagattgg ctggaattgt aaacgtttgt actttggatg agttcatgg 1860
tcttttaggtc accttaatac cagctatctt tggtagaagc tacagcattc agtttctctg 1920
gaaactgtat cacatttttg cattttaaaa attttacagt atcaaaaaac caaaatctgc 1980
ttatgaaaca aaacatgaag caggacatat ttggattcta ttattttaa attaaattct 2040
ttgcaaaatt gaacttctca actaaaacgt gtccatgtca gaattttaac tgttagcagg 2100
tagtttgtgg caaagatggc taaataatga agcaaattag aatctgtgtg tataactaat 2160
agctgctttt tttctgttga gactatcatt atttgcctta ttaccaaga ggcaattacc 2220
tgaatttggg tgtctgaatt ataacttatg caggaatagt tctgtaaata catttaaata 2280
aactgtaaag atatttaata aatatagtat ttataactaa ctgtgtgctt cttttgggtt 2340
gaatagtaac taaatgagac accagccctt gacattgagt ttgttgggtc ctatcagggtc 2400
ctcatttcca agcctcctag tcattctagc actgattata tgctgctact ttaactgggt 2460
ccagctgctt cactacatca gtttagcttc ctcaaaaat catcaaaatg gacggacaat 2520
taaagttaaa ttatagaact ttttcccagc tgaggctttg caccttccgt atagtataga 2580
gggaagctac aaa 2593

```

&lt;210&gt; 1434

&lt;211&gt; 1052

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1434

```

ggtttttccc gggatacatc tgtgttgagt cactttgcat tcaacagtgc ctgccacca 60
aaatcataca taagaggaaa actaggactg gaagaatatg ctgtctttta cccaccaa 120
ggtgttatcc cttttcatgg attttcaatg tatgttgcac cactttgttt tctatacc 180
gaaccttcca aattgtatca gatattccgt gagatgtatg tgcgtttttt cttcagactc 240
cattccatct cttctcatcc ttctggtatt gtgtcactct gtctgctgtt tgaaactctt 300
cttcaaaact atcttcccc actcttttat catctacgag aaattggggc tcaaccactt 360
cgcatatcat ttaagtggat ggttcgagct ttctctggat acttagctac agatcagctc 420
ttgcttttat gggatagaat ctaggatac aactctctgg aaattcttgc tgtgctggca 480
gctgccgtgt ttgctttccg agcagtgaac ctgatggagg tgacatcact ggctgcagct 540
gaaaatctag ctgccacag tgaacagttc tgcactgctc ctctattccc tgagctttac 600
agagtccaga tcccatgtac tgctgaactc aggcagaaag aagagtgcag tttattggac 660
tccaaaatctc attcaacaga acaaagaagt tgaggttgca aggaagaacc tataatgatg 720
ggtcatggaa tataacctag aaaagaagag aaataaaaga gactgtgttt caccatgttg 780
cccaggctgg tctcgaactt ctgagctcaa gcaatccacc ctctcagcc tccagaagtg 840
ctgggattac aggcagtga caccaagtcc agccataagg ttcttattct atatatcat 900
gaaatgatat cacttgaagg tagactgtga taagttaaat acgtatattt tttaaatctt 960
caacaacca ctaaaataaa agaacaaga gttacaacta aaaaaaaaaa aaaaaaact 1020
cgtagggggg gacggcgtac ccaattacgc cc 1052

```

&lt;210&gt; 1435

&lt;211&gt; 665

896

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (385)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (659)  
 <223> n equals a,t,g, or c

<400> 1435  
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 aagatggcgg actcgggtggc tagccgatga ggaggccgcg gggggaaccc ggcccccg 120  
 ccccgagacc gactgaggga gcgacctgcg cagggcccg ggagtcattg tctccatcac 180  
 ccaactccat gcttcgagtc ctgctctctg ctcagacctc ccttgctcgg ctgtctggcc 240  
 tgctgctgat cctccagta cagccctgct gtttgggggc cagcaaattg ggggaccggc 300  
 ctggtggagg agggcccgct gcaggctcct tgcaaggact gcagcggctt ctggaacagg 360  
 cgaagagccc tggggagctg ctgcncctggc tggggccaraa ccccgagcaag gtgcgcgccc 420  
 amcaytactc ggtggcgctt cgtcgtcttg gccagctctt ggggtctcgg ccacggcccc 480  
 ctctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgcccc 540  
 cctttgacat tcacaccatc cactgtgtgc tgcaccttgc agtcttactt ggctttccat 600  
 ytgatgggtc cctggtgtgt gccctggaac aggagccaaa gcttcgcctc cttcgaagnc 660  
 acctt 665

<210> 1436  
 <211> 1104  
 <212> DNA  
 <213> Homo sapiens

<400> 1436  
 aaagatgggc aacttacggt cggactgggt ggctacctaa tgttggttaag agttcaacaa 60  
 tcaacrccat catgggcaac aagaaagtat ctgtgtctgc cacacctggc cacacraagc 120  
 actttcagac tctctatgtg ragcctggcc tctgcctgtg tgactgtcct ggcttggtga 180  
 tgccatcttt tgtgtctacc aaggcagaaa tgacttgcag cgggaatcctc ccaattgate 240  
 agatgagaga tcatgttcct cctgtatcac tagtttgcca gaattattcca agacatgttt 300  
 tagragctac ctatggcatt aacatcataa cgcctagaga ggatgaagat cccaccgcac 360  
 ctccaacatc ggaagaactg ttgacagctt atggatacat gcgaggattc atgacagcgc 420  
 atggacagcc agaccagcct cgatctgcgc gctacatcct gaaggactat gtcagtggta 480  
 agctgctgta ctgccatcct cctcctggaa gagatcctgt aacttttcag catcaacacc 540  
 agcgactcct agagaacaaa atgaacagtg atgaaataaa aatgcagcta ggcagaaata 600  
 aaaaagcaaa gcagattgaa aatatcgttg acaaaacttt tttccatcaa gagaatgtga 660  
 gggctttgac caaaggagtc caggctgtga tgggttacaa gcccgggagt ggtgtagtga 720  
 ctgcatccac tgcgagctct gagaacgggg cggggaagcc ctggaaaaaa catggcaaca 780  
 gaaataaaaa agaaaaaagt cgtagactct acaagcacct ggatatgtga ggttgggctg 840  
 caacagaaat gtcactgtga ttgtgcagat ggaaaagagc agaagctgcc tgttgccctg 900  
 ggaactgtcc caagacacta gcactgtaga acggggccctg ctcttgcaga gcacggctgc 960  
 acccaacagt ctccatgtca agaccaaggg cctcctggaa acaccaactc tgacaaaaag 1020  
 gagtcatctg ggagccccgag aatcctactc ctggccggggc acagtggcac gcaccaacat 1080

897

ggagaaaccc cgtctytact aaaa

1104

&lt;210&gt; 1437

&lt;211&gt; 359

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1437

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ccaggtgggt gccctgggtc ttggtgttgt gactggggga ggaggggtgt taggggctgg 60
gggtcacctt atattaacat gaactagagc acacccttgt catggctgga cccaacagta 120
agaggcaaac ccaggggtgtc catgtcccta ggatgtctca gctgtctctg gggccacgag 180
tctcacatga ggactggccg cccttgtgta caggggcaag agggggccag gtccctgtcc 240
tggccaggct gttagccgca gtaccacag agaccaccgc cctcctctgc tttccccgga 300
gaggggcttg gcttctagca gtcagagcag ggctnttcca aaaggttggg ccttgcccg 359
```

&lt;210&gt; 1438

&lt;211&gt; 409

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1438

```
ggaggccgta cctccgagag gctcggcggt gagccgggta gggccagggtg gctgcccttt 60
cacctagggt agtccctggt cgctccgct cttcgcccaa aaggggatgc agctccggga 120
aacaagtga ttcattggtat tttacttttt tgggaaatac trgaaatgaa gacctgcaac 180
tgtaatttgr aataaggaaa actttaattt tcrgtataaa aattgctcaa atagaattgc 240
ctgattttta tgacaaaagg tgaattatag tttaattgtac tgcaagtcct aaactacgga 300
tgggaactat tacagtttat aatgtcaaaa acttttctta gaccaaagggt atcttccaca 360
aagtatatgg gagtccacat ttatgtaaga aatgaaacta taaaatgta 409
```

&lt;210&gt; 1439

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1439

```
gtgttgagag cgggtgtggca ggtgttgtag ccgctatggt gaagttegct ttgtagcggc 60
cccggctaga gagttgkyct gttccctgcc tttgtgaccc ggagagcttt tgggaactgg 120
tttgtggcct gtttgattcc tgtcagagggt ttgctgaccc aagacagtat cgaaaatgca 180
tattaagtca attattctag agggattcaa gtcctatgct cagaggaccg aagtcaatgg 240
ttttgacccc ctcttcaatg ctatcactgg cttaaattgg agtgggaaat ccaacatatt 300
ggactccatc tgcttttttg tgggcatctc caacctgtct caggttcggg cttctaaatt 360
tacaagatth tagttttaca aaaatggggc aggccttggt tttta 404
```

&lt;210&gt; 1440

&lt;211&gt; 352

&lt;212&gt; DNA

898

&lt;213&gt; Homo sapiens

&lt;400&gt; 1440

```
aattcggcag agaaattata taaacctgtt gtctctcacc tctacattgg atcacatggt 60
cacctgcctc atggaaatgc ctttttttaa acttcgattt gcagaactcc actattttta 120
tacctagcta cagttttgag aaagaagaat cagaaccctg acccacttac gggtgctggg 180
acaattcccc ctcccgcatg tattgctgca gtgcccagga cagtaaaatg gactacaagc 240
ggcgyttcct gcttggcggg tccaagcaga aggtgcagca gcacagcaat acccgatgcc 300
tgagctgggc cgagcactga gtgtccctcg gcatccacgg ccaccaytgc cc 352
```

&lt;210&gt; 1441

&lt;211&gt; 557

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1441

```
ttcggcacga aggagactgt aaacaaagat atttgtgaaa agggaacaat tcagcaaattg 60
ataggaatct ttaaaaatat aataagcaag cctaatagaaa aggaagaagc cattgttttg 120
gaaatccagt ctgatataatt acttatecta tctggcsttt gtgagaatca cattcaaagg 180
aaggaaattt tcggaactga aggagtagat atygttcttc atgtgatgaa aacagacccc 240
aggaagttag agagtggctt aggcataaat gtacttcttt ttagtacatt ggacagcatt 300
tggtgctgta ttttgggatg ttatccctca gaggattatt ttcttgaaaa ggaaggcatt 360
tttctccttt tggatttggt agcattgaac caaaaaaatt ctgtaatcta atacttggga 420
ataatggttg aattttgtga ataattccaa aactgcagct catgtcaatg cttggcaagg 480
gaagaaggat cagacagctg ctagtctttt aatttaaatt gtggaggaaa ggaggaaaaa 540
gaactaggng taaaacg 557
```

&lt;210&gt; 1442

&lt;211&gt; 568

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1442

```
tcaatgttcc attttgcttt taaaagcttc acaagaacat ttcatttatt aaaatagttt 60
ctgtaaactc tttcagaata acaaaattca cttgccttgc ttaaacagca tttcaagtag 120
aagtattttt atttcaaggc accataaaat gatgatctct ctaagaaata cctctccttc 180
cgtgtgtgaa aatccttggg ggaaaaaaaa tcccacacgg tgttcttggc catcaggatc 240
atgaaaacaa actttggtga atgtgagcaa ctgcgccaga caggacacag gttacagggc 300
ctgacgtcac taacggtaac tgacaatctt ggaatggacc ctactgctga tgtttcaaaa 360
ggacacagag gtgaactggt cacttctaata taagaagagc cagtggggtg ggggaagctg 420
aaaaccaaaa atccacgtag acatacgtgg cagtgtgaac gtctgtcctc cccttccttc 480
tcctcacttc ctctcctcct cctcactcag gctgggtatt tcctgggtgtg cggatgtcag 540
cttgccctgc agaagcctct gccgaatt 568
```

&lt;210&gt; 1443

&lt;211&gt; 654

899

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (156)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (547)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1443

```
cctcataagg gnncaaagct ggagctccac cgcgggtggcg gccgctctag aactagtgga 60
tcccccgggc tgcaggaatt cggcacgagg tttgcttcaa aagggntata ttatactctc 120
tctagtaatc caaaggtatt cctaattttg ccactnctca ttttcgcttc tctttaaggg 180
ccttatagta tgttctaatt tctcatttgg tagtatgcaa cattcaatat ttctagctct 240
aaagttccat cattaattat ttcttttttt cttttttttt tctttttttg agactccatc 300
tcaaaaaaaaa aaaaaaagca aaattgttgg catctctaag acagagcaag actccctctc 360
taagagatag tagtgtctcc cacttaattg aattcgtttt gttttgtttg ctttgctttg 420
attcttgcca cgtaaaatct gtgggtcttg accagagatt tgctcagaca gttaaggaaa 480
aataatgaag atgtatttgt gaaattttta cataatgaaa aatgagatgt atttgtgaaa 540
attttangna taaacctctt tataaaatac gtttgtaaaa tataaaagag gtaggatgtt 600
ttgggctaaa tttagccaca ttctgggggtc catacacaca cacacacaaa cagg      654
```

&lt;210&gt; 1444

&lt;211&gt; 899

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 900

<220>  
 <221> misc feature  
 <222> (77)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (452)  
 <223> n equals a,t,g, or c

<400> 1444  
 gtcttattga actggataat ccaatattat ggatacaatg tcatacagta ttatggaggc 60  
 atatgtgtaa ttatcantat aaataatact ggagaaattt ccggacgtca gaagtcggaa 120  
 atggctctca ctgagttcaa atcaaggtgt tgggaaggct ccactccttt ggggggctgt 180  
 ggaggaggat ccatttcttt gccttcccca acttatggac tctgcattcc ctggcttggtg 240  
 gcccttcct ccattctcaa agccagcagc gtagttcttc ccactcctc catattcctc 300  
 taacgctgac ctgccttcct cttacgaaga ccctggcatg acatcggtcc accagataat 360  
 ccagcctgag caacagagcg agactttgtc tcagaaaaaa aaaaatcagc ttataataag 420  
 tgccataaag aaaataaaac tgggagacat gnaagagact gactagggtg gtagtctaac 480  
 agatggggca gtcaggaagt ctycctgag gaggtgacat ctgagctgag atctgaatga 540  
 aggataggat ccasccacag attgatctgg gggagaggca ttctaggcag aagacgtggc 600  
 tagtgcaaag gtcctgaggt aggaatgcac ttggcatgtt caaagaacac agagtcggtg 660  
 tggctggagc agagcaagtg aggaagagga ctgggagatg aatcaggaag gtgccggggc 720  
 ttgtaggctc agatgaggaa ttgaggact cttggtgctg agggaagaac gtgaaggaga 780  
 tgattgatca gggctgactt ctccggagaa ccactgggct ggtatggagg cagcatgaga 840  
 ttccgagtgg tcaactcaga ggcgagaatc agcaaccca gcatcaactt cagttcgtt 899

<210> 1445  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (61)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (343)  
 <223> n equals a,t,g, or c

<400> 1445  
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 naggttggtg atgaccagca gatactatcc tgttggtgtg ccctgggggtg ccattggtgc 120  
 tattcgctgt agattaggct acataaaatg ggctgagggt acctgttttg ggagatgggg 180  
 tggcctgcag tgacacagaa aggaagaaac tagcgggtgt cttttaggcg ttttctggct 240  
 tgacggcttc tctctttttt taaatcacc ccaccacata aatctcaaat cctatgttgc 300  
 tacaaggggt catccatcat ttcccaagca gacggaatgc ctnatttaat tgaaagttag 360  
 tgttc 365

## 901

<210> 1446  
<211> 376  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<400> 1446  
aaaaaaagaa aaaagaaatt tgtgaagttc tactgctcta gttatgcagg gtggcaggat 60  
ggcattggta aattgacttg aagtgagaaa aaataatttc tggttttatt ctaagtattt 120  
aaaactgtaa attcataacc atgattcatg attttgnatt acaagtctta tgaattctta 180  
gaacttcaga agtggccggg tgtggtggct cacactgtaa atcctggcac tttgggagggc 240  
caaggtaggc ggaccacctg aggtccagaa gtttgagacc agcctggcca tcgtggtgga 300  
aacccccatc ttctacttaa ggnatacaaa aacttaattn ggggtattggt ggtggcacat 360  
gcccgtaaat ccccgag 376

<210> 1447  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<400> 1447  
aattcggcag agctgagatg aggaagtata tatttgggta tcattttttac atcctgttga 60  
aagctccagg aagagtgggc caattctaag ctgttcattt acagagaagt tgctctcacc 120  
tttlyctttc cttctaaatg aactttggag ccctgatctt ctttgtaagg gacaaccaga 180  
ccctcctttc atgcattccc cttcagagtc gctgctagtt gcctggctcg agtgragtgg 240  
catttttgaa ttttgccgc ttcagctgtc ttgggggcct ngggggcgggc tcccacctct 300  
ttt 303

<210> 1448  
<211> 525  
<212> DNA  
<213> Homo sapiens



902

<220>  
<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (522)  
<223> n equals a,t,g, or c

<400> 1448  
ggcacgaggg cgtgagcact gcacccagcc aaaaatttta catcttttat agagggaaaa 60  
aaactcttta taccatggca aggccttttc ttccacaaaa agctgggcct actgaacaat 120  
tcaagctgtg cagtagtaga ctgaaagcag gatttggtga ggagttacag ctctgtcca 180  
gagcaaatcc tgtagtata caaggagaat gtaaacttgc cagcttagac agggatcagt 240  
cctgagactg ctggcagtag caaatggcta ttagagtaac tgtataatgg ttttgcctgc 300  
actttctcta tgtatataca aatgtacatg tataaatata aaaattaagk gatcatgggt 360  
cttggttaacc tgtcccaagt gctgkgattc acacgcctga cactaaaagg ttcttctctg 420  
tccagtcagc cagctgtrac caccagcagc acagctgagt gctgagaatc tggctggaaa 480  
ragaaatgtg gctcaagtgc tggctcacct nctagctgtg tnggg 525

<210> 1449  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<400> 1449  
ttaccattgg aatttaattt aagacaaatt tagtgtgaac agtgaattta tttaagacaa 60  
anccttaaag attttagtaa taatgacctt agttttttca tgatgggccc ttaccacaa 120  
aacctgcttt ggcatttggt taaccagac ctcatgctgg gttaaagtat atagatataa 180  
cagtaattca gatttaaatgc atatcttggg ttgggactga ctgaggaacc tcttgtttta 240  
aagtgatatt tagtataatc ataacgtttg atccttttgg gtaaaatagt agctgacaaa 300  
aaataaatac aaattaattt tcatgctcat ctttacctga aagactcaga tttctcttta 360  
agccagctca ggaatattag gctaaacca gctgttttgc agatgttctt actcagattg 420  
aaacatcaat taattaacag gtatctattc atatttaact agaaccctgc taatgtagag 480  
aaataatact tttttaggag atcttttttc agttctctct aaaatgtcat tttatataaa 540  
tttctcttat atttttataa gattgtatac taggattgag gatgtatagg tacatattta 600  
taggatgcta tcaatttgg 619

<210> 1450  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>

903

<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<400> 1450  
ccntgnagta gctgggacta caggcacacg ccaccatgcc cagctcattt ttgtattttt 60  
agtagagatg gggtttcacc atgttggcca ggatggctcc atctcttgac cttgtgatcc 120  
gcccgactcg gcttcccaaa atgctgggat tacaggcgtr agcatncaag tctggcgaga 180  
garattgttt ctagatgagg gtgggggccc gtgtccttag cccaaagctt gtgccagtct 240  
ctatcagaaa taaatgcccc caaacctca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300  
aaaaaaaaaa aaaaaa 316

<210> 1451  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<400> 1451  
ctcaaatgaa ggtttgcagt ctgtctaata aaaggatggg gcgtantgcn taaaatcaaa 60  
agatttggtta aaacaaagggt acttattttgc aaaagctggc taccctctaa gaaggtctca 120  
gtctttacca accaccttat tgagcccagt aagggttgn tcctctgtca atgttcgatt 180

## 904

```

atctccagga aaagagacca gatgcagccc accttccttc acctataagt acacacctga 240
agaggagcag gaattggaaa agcgggtgat ggaacatgat ggtcagtctt tagttaaatc 300
gaccattttc atctctccat catctgtgaa gaaagaagaa gccccccaga gtnaggcgcc 360
gcggg                                           365

```

&lt;210&gt; 1452

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1452

```

caagtcgaac ggtaacagga agaagcttgc ttctttgctg acgagtggcg gacgggtgag 60
taatgtctgg gaaactgcct gatggagggg gataactact ggaaacggta gctaataaccg 120
cataacgtcg caagaccaa gagggggacc ttcgggcctc ttgccatcgg atgtgcccag 180
atgggattar ctwgtwgggt gggtaacggc tcaccwaggc gacgatccct agctgggtctg 240
agaggatgac cagccacact ggaactgaga cagggtccag actcctacgg gaggccagca 300
gtggggaata ttgcacaatg ggcgcaactg atgcagccat gccgcgtgta tgaagaaggc 360
cttcgggttg taaagtactt tcagcgggga ggaaggaggt aaagttaata cctttgctca 420
ttgacgttac ccgcagaaga agcaccggct aactccgtgc cagcagccgc ggtaatacgg 480
aggtgcaag ckttaatcgg aattactggg cgtaaagcgc acgcaggcgg tttgttaagt 540
cagatgtgaa atccccgggc tcaacctggg aactgcatct gatactggca agcttgagtc 600
tcgtagaggg ggtagaattc caggtgtagc ggtgaaatgc gtaragatct gggaggaata 660
ccggtggcga agcggcccc tggacgaaga ctgacgtcga ggtgcgaaac gtggggggagc 720
aaacaggatt tagataccct ggttattcca cgccgtttaa cgatgttcga 770

```

&lt;210&gt; 1453

&lt;211&gt; 562

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (519)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1453

```

agcctttctg ctctgaact aaaatcccta gccaaagacct tccacttggg gaatcccaat 60
ggacagaaac agcagctggg ggacgccttt ctcaaattgg ccaaacagcg ttcagtctgc 120
acttggggca agaataagcc tggaattggg gcagtgattt taaaaagggt ttgttggtca 180
ttgttacagt aaaaacattt aaaatgttga tagcacatat taacttacag tagrttgat 240
ayttgattga actgtaattg tttatttcag ttgtagttag attgagaagg ctggaaaagc 300

```

## 905

```

cttaattgca atagcckgga ttctttcttg gggtattatt caaaatTTTT gtcgtaatac 360
cgtactaatt tccmggacca agaaaaatcg garggcaata ggcctttggg aaattgtagt 420
atTTTTTTTT cccgagaaaa atacagTTTT aagtgatcct tatgggattt ttaagggttaa 480
ctatttagtc ccaattTTTT ttttagTTTT gggttactna aacnaattat atccggcgtc 540
cttaagttgc aatttttncgc cg                                     562

```

&lt;210&gt; 1454

&lt;211&gt; 1767

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1454

```

aggccaagca tgcaggcagg cttgtaacaa actccttggc caggagctct gagaattagc 60
ttcacttccc tcagaaatgc cccaattccc tcctggaaga ggagctgtgt gacastcagg 120
ccaggggggc gggactcccc ccactcctc cgcacacaca tacccttgca cacataccca 180
gccacgtaca gctgggtggc tgtasgcaag tcatttttct actctgagcc tcagggtctt 240
cctctgtcca cctcccccca ggattamtgg cagaattagg tgtgagcttg catttaaaaa 300
gagggttgtt ttgtaaaccc aggccttgca aattggcagc ccaagtctca ggggcctgtg 360
cagtgactga tcattaccaa catttcgaag tgagagatgt cacataaaga gcgtcatttc 420
gagcttctct tgaaaagttg taagggtgagc taccctggga ctgtattcct gaatggcaat 480
gtgatggcag agtcctgcag tattaccacc tgwggaactg tgcaccaggt tcccaccac 540
ccacttcagg cccttggttc agggatgtgc ccgtcatgga aatamcagggt gctgtggctc 600
tgctgggttt ggctttcctt ctctgtaacc ttccaatata tttctccttc cagggtactgt 660
aaaccactta gtaattaatt agttaataaa ttcatctcat cagcactttt aaataatgtg 720
ctaggccaca ctgtcatgga cccagatat acagcagcaa acaaagcagc catggtacct 780
tccctcaggg agcagtcagt ccagtggagg agtcagatat gactcaccac acagatcgaa 840
aaatctycac aaattatgag agaagtgtg agggaagaaa gaacataggt ggaccgctgc 900
tgagtccagg cttacttgca gagatctatg ctggccaggc cctgtgctag gcagcagagg 960
acatggaata aaatcaaata aggtcactgt gtgcaggact cacggtgtgg taaaggagca 1020
gccccatcca caggttctat taattccagc ctgtgagaat tggaaccaca ggggtgaattt 1080
tggaggacag gcacttacac taatctggaa gcataatata taaagagtac ctacaaatca 1140
ataaaaaaaaa tagaaaaaaaa aagagcaaag tatatgaaca gaaaattcaa tgaaaaggaa 1200
atagaaatgg ctcttaaattg aatgaaaaca tactctcact cararaaatg aaaatttaac 1260
ccatgtcaar aacttggggg tgaagggaag gtttttaaat tcgattgtgg tgatggttat 1320
aaccctataa atttactaaa acttattgaa gtgtaccttt aaaacaaatg aactttatag 1380
tatgtcagtt atatcacaat aaggctattt taaaaataaa aacactttga gataccattt 1440
tatacctgtt ggtattagca aatgtcaaaa cactggataa tgcattatgt tcctaaaggc 1500
atgggggaga cggcctgggg caagcgtcca ctgatgcatt cttgggttgg ggtgggcaac 1560
aggacgctgt caaacataca aatacattta cgctytgagc tgggaattcc actcatagga 1620
cttcatctga tatatatgct ttacatctga aaaatgtata aggaaattca ccacagcctc 1680
atagattatg gcaaaagttt ggaaacaaaa gatgtttgtc tacagggtgaa argttatgcc 1740
actgtcaaaa aaaaaaaaaa gtcgagc                                     1767

```

&lt;210&gt; 1455

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

906

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1455

```

gtttttgttgg ctccgttcct gaggtgacac ccggttcacc ccacgtgtta aacccccgagc 60
cgcggggctgc cctgtgctgg atattgccta catccagcag ccctctgagg gnatgggttc 120
tggcctgcct ccgttgccag ggtcctcact ggtgtgacca accatytggc ttttaacact 180
aaaaagcccc acatcctgag gaatcccagg acacagaaaag tcctggggtt tgtcagtgat 240
gcagaagggtt ggggtggaaag tatgaaaccc acacagaggg atgacagcac catttgtagc 300
atcggatgga aatggcgctgg atgatctgcc tcgagtggtc actgtcgcca tgttgacctga 360
cgtggatgct ggcacagga cttgtgattc accatggatc 400

```

&lt;210&gt; 1456

&lt;211&gt; 1012

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1456

```

tntgtggcag aaaaatatgt tttccaggta gtttttacta ctacagagag tctgtaaata 60
agtgccttaa aaaaataaca aaccaataag atatttgyt cctatataaa cattctgtgt 120
atttagcact tggaaaatca acaaatccag aatttaaaaa aatgccacag acttttcaaa 180
gcccactgt acttttttga gaattgtccg tacctactaa tatgccttat tcttcttcac 240
ctagtgtttt aaaagtcctg ggtagaaaaga gttttagaaa tgtaatcagt tgttcagctt 300
caataatata gagatctaac atagtcagtc ctcaggcccc cttaaagaaac aagcaagaaa 360
gtgagggcca tctactaggt tggcttttggg gaggggaaaa ctaaggactg cttttgccaa 420
atgatatttt tgataatgta aggaaacaca gggaccacaa aacctttttt tttttttaag 480
tgtgaaagat tagtgctttt tggcatactt ttgatttttag aggatatagt atcggcattg 540
acaaatcacg tagaaacaaa gaatgctata gatgacaaca gtattaaatg ttactcctga 600
ttctgcagaa cagcttttga agatactggg gggatatctt aagcctcaga gcagcttggt 660
tcagatagaa attctctatg ggttgaaatg ccaaaaacag aaaacatgat gttgactcat 720
gtaatttagt ccatttttagc agagccttta gtgttaacac cagtggcgag gagcattgca 780
tattctctgt cagcagcagc actcccacac caggtgggtt tgggctctct gtaggctggg 840
cctagtaggt gacacccagc aacacccctg ttggacagga ttgattgttc gcagctcttag 900
accaacactt cagtcagaaa tgttactggg aggaggaaag gaaaatactt tttttcctcc 960
atgtggaaat gaggagagag gaaagtggat tggaaaacca aaatgtgagt ca 1012

```

&lt;210&gt; 1457

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1457

```

ggttttcatt gacactcttc cctcctccca cctgccacca ggctcacca aagcccactg 60
ccatggggcc atctgggcca ttcagagact ggagtgagat ttgggtgtgg agggggaggc 120
gccaagggtg aggagcttcc cactccagga ctggtgatga aaggacaga ttgaggagga 180
agtgggctct gaggtgcag ggctggaagt ccttgcccac tcccactct cctgcccaca 240
tctatctagt acttcccagg caaataggcc cctttgagga tcctgagtgc cctcagatgg 300

```

## 907

```

tcaaaaccca gttttccctc tgggagccta aaccaggctg catcggaggc caggacccgg 360
atcattcact gtgataccct gccctccaga ggggtgcgctc agagacacgg gcaagcatgc 420
ctcttccctt ccctggagag aaagtgtgtg atttctctcc cacctccttc ccccaccag 480
acctttgctg ggcctaaagg tcttgcccat ggggacgccc tcagtctagg gatctggcca 540
cagactccct cctgtgaacc aacacagaca cccaagcaga gcaatcagtt agtgaattga 600
atggaaataa acgctttagt tataaaaaaa aaaaaaa 637

```

&lt;210&gt; 1458

&lt;211&gt; 542

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (539)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1458

```

cnaccctcac taagggacaa agctggngct ccaccgcggt ggcgggcgct ctagaactag 60
tggatcccc gggtgcagg aattcggcac gagtcttttc agactcagcc cacttgcacc 120
caagtraatt aacagccttg ttgctcacac aaagcctggt taggtggctt tctataygga 180
catgcktgac acttgggtgcc aaaatctggg ccagggggac tccttygtga gaccggcccc 240
ctgtcctggc cctcaytccg tgaagagatc cacctgcgac ctcggttcct cagaccagcc 300
caaggaacat ctcaccaatt tcaaatecga tctcctcggc ttagtggttg aagactgatg 360
ctgcccgatc gcctcagaag ccccytgga catcacagat gccgagcttc gggtramtct 420
tacggtggag gattcccagc catatgaaga camcttagyt ggacgwteat ccttgtcaaa 480
agtctgaccc ytcaaaytyt acagcytcaa tgggaccaga cctaccgggc atttttagna 540
ca 542

```

&lt;210&gt; 1459

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1459

```

atatccgact cactataggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg 60
gtcgacccac gcgtccggaa tcctaggcct aagattcttc atgtaaaaat tataagactg 120
aataaagaat cttaggccta ggaggagaaa atgattttct ttctattacc taactagatt 180
ggggcatatt tctgataaag acccacctct agtgagattc atcttttttg tttgtgtgac 240
tatattccat agagaagaaa gatgggatag ctcaacttca ttatatacca aagcaaaaca 300
catgccaaat gatgactaca ttttaccac atatttagag gagtattctt gactagtgtt 360

```

## 908

```
tactatctat acccccaaaa ctactactat atagacagaa tggaaagtat ttctatttgt 420
ccttttttttg ttttctgttc taattgtcag ggacatatgt agtgggtata ggtttactta 480
aaaggaataa atttgggaatg ctcmaaaaaa aaaaaaaaaa aaaaaaaaaa a 531
```

```
<210> 1460
<211> 607
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c
```

```
<400> 1460
tattcacgtc cccaggetca ttcttcagcc tcaggaggaa ttagaaggtc ttcattctatg 60
tcttatgttg atggcttcat agggacatgg cccaaagaga aaagatcatc agtgcattggc 120
gtatcatttg atatttcttt tgataaagaa gatagtgtac agagatccac tccaaaccga 180
ggaatcactc gttctattag taatgaagga cttactctga acaacagtca tgtatctaaa 240
cacattagga aaaatttgtc cttcaagcca ataaatggag aagaggaagc agagagcatt 300
gaagaagaac ttaatataga ttctcacagt gacctcaaat cttgtgtgcc ccttaacaca 360
aatgaactaa attctaata gaataattcat tacaagcttc caaatggagc tttacaaaat 420
agaatacttc ttgacgagtt tggcaatcag atcgagacac caagcattga agaagcatta 480
caaataattc atgatactgn naaatctcct catacacctc agccagacca aattgctaata 540
ggcttctttc ttcattagtca aggaatgagt atcttaaaatt canatatcaa gttaaataca 600
tctagtc 607
```

```
<210> 1461
<211> 121
<212> DNA
<213> Homo sapiens
```

```
<400> 1461
caggaaggat aagccatgtg ggggtctagaa ctgaggggtc tagacttcca gccagtgct 60
ctctctgctc taccatgttg cctctagttg gagagacagg gcagaagtga tggtaaagaa 120
g 121
```

```
<210> 1462
<211> 706
<212> DNA
<213> Homo sapiens
```

909

<220>  
 <221> misc feature  
 <222> (682)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (699)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (702)  
 <223> n equals a,t,g, or c

<400> 1462

```

gctgtcacag gccatggatg ctccatggag ggggtggtag catatgaata acaatcaaga 60
gaaacatcgg taatggacag gaggcacaa taaacaatgt ccaccctcct ctaaaaccca 120
ggaaagttct cattcaaaag acgatgtctt gaaggaaacm taggtacaaa tctttgtgay 180
tttggattag acatttttta agtaggcaca aacaaccgaa aaatagataa atggacttca 240
ttaaaataaa aaacttgtat gcttcaaagg aactgtcaa ggaagtgaag agataatcca 300
cataatggga gaactatttc caaattgtat gtttgacaca ggtctagtac ctagagtrta 360
taaggaattc atataactga gcaataaacg acaaccacat ttaacaatgg ggaaaaaaag 420
ctgtgagtag aggtttctct aaaggaaaca cacaatggc caagaagcac atgcaaagat 480
gttcaatgtt tttcgtcatt aggaaaaatg aaatttaaac caaatgaga taccacttca 540
maccagcag tatgacttaa gaaaaaaatw aagacmacac atgtttcaaa agtgatggag 600
aatatggaat tctcatatat tactattggg gaatctaaaa tgatrtagct ctgaagttag 660
taaacagtgt gtgagttcct tnaaaaatg aaaccttana gngggcc 706

```

<210> 1463  
 <211> 1765  
 <212> DNA  
 <213> Homo sapiens

<400> 1463

```

gagaaaacaa ttctgaccgg agaatgctgt tacctgaacc cttacttcg aaggatcata 60
agattcacag ggggtgtttg atttggactt tttgctactg acatttttgt aaacgccgga 120
caagtggcca ctgggcactt aacgccatac ttctgactg tgtgcaagcc aaactacacc 180
agtgcagact gcyaaagcga ccaccagttt ataaacaatg ggaacatttg tactggggac 240
cgggaagtra tagaaaaggc tcggagatcc tttccctcca aacacgstgc tctgagcatt 300
tactccgcct tatatgccac gatgtatatt acaagcaca tcaagacgar gagcagtcga 360
ctggccaagc cgggtgctgt cctcggaaact ctytgacag ctttctgac aggcctcaac 420
cgggtctctg agtatcggaa cactgctcga gacgtgattg ctggtttcat cctgggcact 480
gcagtggccc tgtttctggg aatgtgtgtg gttcataact ttaaaggaac gcaaggatct 540
ccttccaaac ccaagcctga ggatccccgt ggagtacccc taatggcttt cccaaggata 600
gaaagccctc tggaaacctt aagtgcacag aatcactctg cgtccatgac cgaagttacc 660
tgagacgact gatgtgtcac aagctgtttt taaaaatcat cttccaattc tatacttcaa 720
aacacacagt tgctcaatgt caaactgtga tgacaaatat tacgtttatc tagttagaag 780
ctaagtgttt gtacattttt tgtatgagga agtgatgtag cttgccctga tttttttttt 840
tttttttttg gtcagcttta atatatttat gccagaatgt taaaaccaac aaaattttct 900

```



## 910

```

tgttcaagcg tgcattgaag aaccacattt attcaatggg tgayggttgt ttgtgatatt 960
tgtacacaaa ttttcttttc tcagttttat aaacacagaa tataacaatt cactttaaac 1020
ttttattacc acagttgctg cctcctccag aatttttgaa ttttaataaa aggcaaactt 1080
ttgagctgca ggaaggacaa tgttggttaa taataaatct caaagtcaat tgtagaaaaa 1140
aaattgtctt caaaaagaat gttgcaactt gatctcttaa caaattgtta cgttcaaagt 1200
ttaaagtgat atattaacar agtcacctag ttatacaaac aattgtcaga gaattctgga 1260
tttggagggt attgggggta tatgattctt tcttagataa tggcctctac taaataactc 1320
aagatctttc tggaaatgtc tctggcaggc aggtgccact gtcagctttt ctccaaaaag 1380
cagccaacat cagcctcccc tgtcaactca acagttttgt atctcatatt atatggactt 1440
tatatgaaaa tgaatatttt acagtttgca cagtattatt ttacagaaaa ggaatcagag 1500
aatctacaac atagggccccc agaacaacag tttcactttg tggcttttaa ttattctaga 1560
attttaactg catctcattt ttctagcatg gtgagaacta atatgtaact cctttgattg 1620
aaggagctct tttgtccgta cctatcagaa tgttttcttg acacttccat gttggctctt 1680
ctcagctttt tttgtacata tttttttttt ctaaagagaa gaaaaagtta tcacaaaatg 1740
taaaaaaaaa aaaaaaaaaa aaaaaa

```

&lt;210&gt; 1464

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1464

```

ggaaaacctt tagacttttt ttagcaatta gtttgacatt cgctactata gtaaccaagc 60
actcattata tatgcatcct ccaaagtgtt catgcttatt tataggaaag ttatattaat 120
gagattaata atgtgaaata cagttttcct gcaaaattag cattagagaa ttgatttttag 180
ataacagatt tttaaagttt tagagaaaag tacagtaata cagtaaactg aargagtata 240
tagatagcaa taaaataaca taagtggaca tgtttatagt aaatactctg aagtaaacam 300
ccgtttttat taactgcatc tcattaggga aagttttatat gtcttggtat tttttattaa 360
cattttatth accattcaga gtgaaaatta ctaatttgrg tattaacaaw taactgrata 420
aatgggtcatt acagtttaggt tttcccaaat tgcmaaattt gccttaggca ttatc 475

```

&lt;210&gt; 1465

&lt;211&gt; 198

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (170)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1465

```

tggcaggggc actggccccg cccgcacctt cctagcagcn agttacccaa gaggaagctg 60
ccttggsct ccagaccgtt aaatgccaac tcctggcttc cggatcagg ctgggttgac 120
ctgacctggc cccttcttgc tgggccctgc agctttctaa cttgccgggn ggagcagtga 180
cacccgcccc acatgttg

```

## 911

<210> 1466  
<211> 514  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<400> 1466  
gtggcagagt gccctgcggg actgccagcc cctcctgtcc tccctcagca acctggcgga 60  
acagctgcag gccgcacaga acctgcgggt tgaggatgtg ccggcgcttc gggccttccc 120  
agatttaaaa gagcggctga ggcgtaanag ctgggtggctg gtgacatcgt cctggacaag 180  
ctaggggaaa ggctagccat cctcctcaag gtgcgagaca tggtcagcag ccatgtggag 240  
cgagtgtttc agatctatga gcaacacgca gacacagttg gcattgatgc tgtcctgcag 300  
ccttcagcag tgagccctc tgtggctgac atgttggaat ggttgcagga tattgagaga 360  
cattatcgaa agtcgtacct gaagagaaaag tatcttcttt cgtctatcca gtggggagac 420  
ttggcaaaca tacaagcttt gcccaaggcc tgggaccgaa tttcaaaaga cgaacaccaa 480  
gatcttgtac aagatatact attgaatggt tccc 514

<210> 1467  
<211> 649  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

912

&lt;400&gt; 1467

```

ggcctntatt ngaaagtcca tcnggttcct aacagngctt cctctttcca gggctctcca 60
tggcgtgcgg aacttcccag ggnaacgtga aacctgtccg cagtccytgc ccytgccctt 120
tctttkggag acgtgtgaaw gagcmgcasc cactttaatg tgaggccasc catataaaca 180
atraactttc acttscgcm ggaggtcata aactcaggtc accaaagaat tctagcttca 240
gctcttggtt tagtaatgta ccaagtttgg tattactttt tgtttgtttt aatcaggttt 300
ctgccctcat cttctatttg ggaaattaaa actgggtctgt tggcatggct ggtgactgag 360
cggcaggcac attcttagtc tctgactttc tgcagccatc tttgagtga tataagtgtt 420
gggtaacagt ctactgaatg tgctacaagt gtgaggagtt gtgttcatct ttaacttggt 480
ttttttaaaa aacactctct tggtaaatgt ggatctcctg ttgaaaactg tatttggttg 540
gcagttgagt ttatgcctgg agcccctaga gcacatttaa ctggttggtg gtcagttgta 600
ccatactgaa aaaaaaaaaa aaaaaaaaaaac tggggggggcc cgaccccat 649

```

&lt;210&gt; 1468

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1468

```

tccagtatatt tcgggggctg gtggacgcgt gggcgatagg gtgctgtcct tggggtgctg 60
tgtatatggg atgatgacgc ttatcagcay tatctagtc tttccacccc gaaattcgcc 120
ccgattaaag actgwggttg attatcagggt aatgagatgt gagggaggggt ctttgaaagt 180
ggaaaacctg ggcgtcgagg ccactgtgcc atcttgggnc ctcagtttcc ttatctgtga 240
aatgaggggtg aatgtaaagc tgctatgtaa aatgtaaagc tctacataaa ccactctctg 300
cattactttg gatatatgag aatattaacg tttgacgtct acgagactag atcccattcg 360
agcatcacct cccataacct tacagactaa cccctctttt aaatctcagt ggttcgtaat 420
cttacagact aacccctctt ttatgtctca gtggtcttgc agctggcctt tgttcatta 479

```

&lt;210&gt; 1469

&lt;211&gt; 399

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1469

```

gtatccggat gggctcattt tatatgtggt ttaaactctg agctagaagg caacactact 60
ttcttgtgaa gcacaccatc tgccttggc cctagggagc tcctgccgtc ggctactggg 120
tcccctgatg cacccttttc aacagacttt tcattttggg gtacgtsetg acttcctggc 180
actgcagggt gctccagcct cctcttgcac tccctgccct ggcccgggaa tcagccccctt 240
ctccaaggag ccccgggtcc ttttattggc aagtcttaag agagtgaggc ctgggtgcca 300
ggcagggagc cccaggtcct tttattggga agtcttagag agtgaggcct gggtgccagg 360

```

## 913

tgggtgccag gtgggtncgg tgctgctggg atgttgtca

399

&lt;210&gt; 1470

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1470

```

ttaaccctca ctaaaggga caaaagctgg ggctccaccg cggtgacggc cgctctagaa 60
ctagtggatc ccccggtctg caggaattcg gcacgaggac tagtccgagt tttttttttt 120
ttttttttta aaacaaatac ttttattgca catttataaa atctgcatag ttgtatcaat 180
ttttttccct ttcatgattc cattaatctt taaaatttgg ttaaaacaca atatccaatc 240
agaagccttt taaaaatgat caatgggaag tatttttctc tacatatata tatatatata 300
gttttgcata tgtatgctgg tttttttttt tttttttttt gtacaaacc acatccctta 360
cttttaaggg caaaaaagaa ggcsgggtac gatgacttgt ctgcaatccc agactttggg 420
aggctgaggg aggcagatag atcacttgag gccaggagtt 460

```

&lt;210&gt; 1471

&lt;211&gt; 2007

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1471

```

tacattggaa caagaacaag aagcactagt taatcgctc tggaaaagga tggataagct 60
tgaagctgaa aagcgaatcc tgcaggaaaa attagaccag cccgtctctg ctccaccatc 120
gcctagagat atctccatgg agattgattc tccagaaaa atgatgcgtc acatcagggt 180
tttaagaat gaagtggaac ggctgaagaa gcaactgaga gctgctcagt tacagcattc 240
agagaaaaatg gcacagtatc tggaggagga acgtcacatg agagaagaga acttgagggt 300
ccagaggaag ctgcagaggg agatggagag aagagaagcc ctytgtcgac agctctccga 360
gagtgaagtcc agcttagaaa tggacgacga aaggatattt aatgagatgt ctgcacaagg 420
attaagacct cgcactgtgt ccagcccgat cccttacaca ccttctccga gttcaagcag 480
gcctatatca cctggtctat catatgcaag tcacacgggt ggtttcacgc caccaacttc 540
actgactaga gctggaatgt cttattacaa ttccccgggt cttcacgtgc agcacatggg 600
aacatcccat ggtatcacaa ggcccttcacc acggagaagc aacagtcctg acaaattcaa 660
acggcccaag ccgcctccat ctcccaacac acagacccca gtccagccac ctccrctcc 720
acctccgcca cccatgcagc ccacggtccc ctcagcagcc acctcgcagc ctactccttc 780
gcaacattcg gcgcacmct cctcccagcc ttaatgcatg agcttagtct gaatttcaag 840
wtgggactca tcmaatggag ccgtctactc aaamgcaaag gcttccttct ctggcatatt 900
tggatatgac ttatttgcac tgaggttatc taggcttcac tatccattgt gttgtaaatg 960
tttgtcagaa atgcagccag tgttgtgggt ctacaacact aaccagacga ctttttccat 1020
cagtgttwtc cttgaatctt catgtacgtc cattccctgg ctggaacctt cgctgtttgg 1080
tatttgggat ttacagcagc gtgtgcaatt tttgcttggc ccagagcttc attctcctgg 1140
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gaaaattact gagctgttgt taccctcctc tcattataat agtgtttacc aaacatacca 1260
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tttacagggt attttcattg tgttattgac atccatgtct ctcgtaaaac agatggccca 1440
aagtaatgaa tcatgtggct gtaccttctc cacataaatg ggatggataa ttatcgtata 1500
ttaagatgtg attctctttt ttatccttaa tgttaatcta cttaacctgg cccctcttaa 1560
catgagtcga taaatgttgt cctactcacc ggtggtttca atggctaatt agaatgtgtt 1620
atttgatttc tgctgcagaa ggcagtgatg ttgtaaacaa aacaatgcgg cttccccctt 1680

```

## 914

```

tcgtacttca tttgtgttct cttaaaatag agtttgaaca aatattttta aggtgcaaaa 1740
taccattaga aaatactatt tgaaatggac attatcgcat tatcttggca taatggccag 1800
aaaatattgt attgcttggc agaaaagaaa ataaggtcta aaggaaagta gcacattagc 1860
attgatggct gttcatttca ccaggtataa gcaagtgcag tgtacaaaga agtatattct 1920
gaatacatta tttccattca ttttagcaca ataatcatt tggtttcact ttgmagtgga 1980
aaaaaaaaa aaaaaaaaaa aaaaaaa 2007

```

&lt;210&gt; 1472

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1472

```

acagagcaag actccatctc aaaaaaaaaa aaaaaagact taacagagca tttcacgggg 60
aaggggccatg aggggaacatc accygggtga tggtaacatt ctgtatcttg ataaggattt 120
gagttatata agtatatata tctgtcaaaa ttcaaagaat gtacactcaa gatctgtgca 180
tttcattata tgtaaagtgt acmttaaaat gttgtaaaca aatattgaac aaatatacgc 240
atgctaaagt atttaagagg aagtactggt gtctgcaaaa caaaaatttt ttttccattt 300
tctgtggtaa aatatacata atataaatgt attattttta gtgtacaatt cagtggcatt 360
aaatacactc agaaagtttrm aaamaaaaaa aaaaaatttc 400

```

&lt;210&gt; 1473

&lt;211&gt; 1278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1473

```

tcgacccacg cgtccgcacg gagcacctgg agtgttctgt ctggaatgct ggctggggagc 60
cttctcctgg catttgaacg aggggcagct gtgtcctctg tttgccgtgt aaagaaaaga 120
ggacagagct cagaggagat gaacccagc agaaaggggt gcttgaccag caggagagaa 180
gataaccaag aggggtctgt ggtgtctctt ctgagctaca ccagtttcca gggtacctgg 240
gaccatggat aactctcaga tcagcaactt gtcagttgat ttccaagctg ctgttggtctg 300
gactcagact cagcagggag cacctgggag agccctgtgc tgcgggctgg actccggccc 360
atctcgctga ttactcttgc ttttgtctcc cagtgtgtcc tcaagagggtc agagcctgct 420
tggtgtttct tcatgaccac gggaggaggg gcaccaacat gaggggtgcta gcatctcccc 480
agtgggtggc tcccagggtc ggggaaaccc tgggggaggg gttgggacag ggacctctgt 540
cgcttgctgc cactgcctgg gtcaactgcc tggcaagggt ggccgctcgt gctcagaaaag 600
ctgaggcctt acctgccttc tcctctcacc cagcgcccat gtaaggacac atctgarttg 660
gcattctgtg tctgtctctg arctactcgc atgataagtc tttgttgtcc tgtgggatgt 720
caccggttca tgctgaagag aaattgtaaa ggactccttt gcctgctcag gccccatggy 780
ctctgtcatg ttttgtcccc gtccctttgg garcacagca gcagtgggct ggctggactg 840
tgaggcgag gttcaaggat gargtacagt tgtgtgaaaag gtgagcctgc tggaccgggg 900
agctttcctc aaggcctccg cctggctatg atggcggttag gggttgagggg aagcttcatc 960
caaaatgcac agtacttgga tgtcaagatg atgttgctgc tctcaggatg agtcaactctc 1020
caccactgac ttccctttgat gttctgagct cagcctggag tctgamctgg gactatagca 1080
cttgttctcc caaggtaagg ctggcggsca aaccagtgct gcacacctga acctgctcct 1140
tggcagarat gaagggcgtc atgtttcgta gccactcaac acccatggac aatttggtctc 1200
cttgtwaaga ctwakgcatg cctttgaact gacttacttg aaatataatt gskccyattt 1260
tgctccaaag aacaatgg 1278

```

&lt;210&gt; 1474

## 915

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1474

```

gaattcggca cgagaaaggc aggacctcga ggcgcggccg cgcgagggtga ccggagtcac 60
agttcccgca ggcggcgaca gcagagcgcc cactgcctcc agcagattaa tattaagatt 120
ggaagtttgt gtcttttgct ggatattgga aattgaatgt aatggcaaca gaatttataa 180
agagttgctg tggaggatgt ttctatgggtg aaacagaara acacaacttt tctgtggaaa 240
gagattttta agcagcagtc ccaaatagtc aaaatgctac gtatctctgt acctccattg 300
acttctgttt ctgtaaagcc tcagcttggc tgtactgagg attatttgct ttccaaatta 360
ccatctgatg gcaaagaagt accatttggtg gtgcgcaagt ttaagttatc ttacattcaa 420
cccaggacac aagaaactcc ttcacatctg gaagaacttg aaggatctgc aggag      475

```

&lt;210&gt; 1475

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (430)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1475

```

cgccattttc cccacagggg cgaggaggcg gcttttggttc tcccggtggg cttgccggag 60
tgcgttctgc agaccagaag ggctttgtct ggcgattgct gaatgctcaa tagcagcctg 120
ctgggaggga agtcgaaggg agaaatagga cagaaagaga gacctgacct ctccctggag 180
gctctcagtg tcggccgagg cccttgggtct tgctctaggg ctctgcattc ccgagagctg 240
ctgtatgccg gggattggct tccaagcctg cctgagcttc tccagtctcc cgggcategc 300
catgcggttg gagggtgagc cttcctctcc tgctgaaatt ccggcggtt ggcaaccggc 360
cggggggtct tggattcctc ggggagacam cactgatgct ttgtggtttc acgtaatttg 420
gatttaaaan ttgaaggcgt ca      442

```

&lt;210&gt; 1476

&lt;211&gt; 1019

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (898)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

916

&lt;222&gt; (931)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (973)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (995)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1004)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1476

```

tccggtaccg gtccggaatt cccgggtcga cccacgcgtt tntaaaaacc acgtttcttt 60
gttgagctgt gtcttgaagg caaaagaaaa aaaatttcta cagtagtctt tcttgtttct 120
agttgagctg cgtgcgtgaa tgcttatattt cttttgttta tgataatttc acttaacttt 180
aaagacatat ttgcacaaaa cctttgttta aagatctgca atattatata tataaatata 240
tataagataa gagaaactgt atgtgcgagg gcaggagtat ttttgattta gaagaggcct 300
attaaaaaaaa aaagttgttt tctgaactag aagaggaaaa aaatggcaat ttttgagtgc 360
caagtcagaa agtgtgtatt accttgtaaa gaaaaaaatt acaaagcagg ggtttagagt 420
tatttatata aatgttgaga ttttgcacta ttttttaata taaatatgtc agtgcttgct 480
tgatggaaac ttctcttggtg tctgttgaga cttaaggga gaaatgtcgg aatttcagag 540
tcgcctgacg gcagagggtg agccccctg gagtctgcag agaggccttg gccaggagcg 600
gcgggctttc ccgaggggcc actgtccctg cagagtggat gcttctgcct agtgacaggt 660
tatcaccacg ttatatattc cctaccgaag gagacacctt ttccccctg acccagaaca 720
gcctttaaat cacaagcaaa ataggaaagt taaccacgga ggcaccgagt tccaggtagt 780
ggttttgcct ttcccaaaaa tgaaaataaa ctgttaccga aggaattagt ttttcctctt 840
cttttttcca actgtgaagg tccccgtggg gtggagcatg gtgccccca caagccgnac 900
ggctggtgcc cgggctacca gggacatgcc ngagggtctg atgacttgct tctgcagggc 960
gctttggtgg tgnttaactg gctaaaggtt accgntgaag gcangtgcgg taactggcc 1019

```

&lt;210&gt; 1477

&lt;211&gt; 857

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (820)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1477

```

tgaaatgccg cttattcagt tttaagtact gacctgctaa gtaactagta attccagact 60
ccctagaaga ggttgttctc tttttcccta atcataatcc ccacttgcta aaaccaaatt 120
catctaagcc atctattttc tgcaggatac atgtaaatct tagaggatta tcccagcact 180

```

917

```

gagcagatga tagatcaaac agatctctct tcatagttct gtggatgaaa aaacagtatt 240
tacacataat ctgtattatt cacattgcc aagctaaattt tckggaycat tgktacycyt 300
cygttttttg tatagttgta acagagtaty ctttaaatac atttttatgg catgcctatt 360
atgtacaaaa caccacaaag cttatgtagg taagtgtatc ataggccctt acctcaagga 420
gcttactgtc tgaacagggg agaggtgtgg tgaaggatgg acaaattata tgtatttgta 480
agagtatata atttatggta aaacaatttc aagaaaggat taaacctatg gttataatgt 540
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tgtcatttat ttcataattc gggggaaatt attttgtttt ataacacttt taaaaatat 780
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ttaatcctat tggttcc 857

```

&lt;210&gt; 1478

&lt;211&gt; 2771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1478

```

nttgagggtc tgggggtcct ggagacttac cattgagcca tgcaatctgg gaagcacagg 60
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ttggctctct catgtccttg gcttgcctct ctattctacc tctctttctc cagcaataat 180
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ggccttccca gcatttgact gttcattgca tagaatgaat taaatatcca gttacttgaa 660
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```



918

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atttgttcaa tgaatgaatg aatgtcttct aaaagactcc tctgattggg agaccatata 1680
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gcaagcatgt tgtttttcaa atatatcaag tatagaaaaa ggtaaaacag ttaagaagga 2160
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aaaaaaaaa a 2771

```

&lt;210&gt; 1479

&lt;211&gt; 2065

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1984)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2040)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1479

```

gcacaatgga tgaagaagag aaggatgatg gtgaagctaa agaaatttct acacctaccc 60
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gtcagagctct tagttccaaa ggattaaaat ccaggttaat agcccgattg acaaaacagc 180
ttaaagtaga ggaacaaaaa gaagaacaga aggagttaga gaaatctgaa aaagaagagg 240
atgaggatga tgataggaaa tctgaagacg ataaagagga agaagaaagg aaacgtcaag 300
aggaaataga acgccagcgt cgagaaagaa gatatatattt gcctgatgaa ccggccatca 360
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gtgtcctatt ggactacaga ttagaggata ataaagaaca ttcatttgag gtttcattgt 480
ttgcggaact tttcaacgaa atgcttcaaa gagatttttg tgtccgtata taaaaatcat 540
tactgtctct tcctgagaaa gaggacaaaa aagaaaagga taaaaaaagc aaaaaagatg 600
agagaaaaga taaaaaagaa gaaagagatg atgaaactga tgaacaaaaa cccaaacgga 660
gaaaatcagg cgatgataaa gataaaaaag aagatagaga tgaaagggaag aaagaagata 720
aaagaaaaga tgattctaaa gatgatgatg aaactgaaga agataacaat caagatgaat 780
atgaccctat ggaagcagaa gaagctgagg atgaagaaga tgatagggat gaggaagaaa 840

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919

```

tgaccaaacg agatgacaaa agagatatca acagatactg caaggagagg ccctctaaag 900
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kttattttga tcaaagtcac tgtgggtacc ttcttgaaaa ggatttggaa gaaatacttt 1020
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cagtaaagca ggaatcaaag gatgtggaag aaaatggttg cctcattgtg tacaatgggtg 1260
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ttanggttta aaaattttta gtctctgggt aaaattcagt caaaatcata aaatacatgn 2040
gcttaaattt tgcaggtttt tgaac 2065

```

&lt;210&gt; 1480

&lt;211&gt; 720

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (602)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (618)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (642)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (659)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1480

```

gaaaaacaag ctgagatcct ggaatatgca tatcatggac agatcgccat tgttgccccc 60
gaagcccttc tagcagggca caattatacg ttgaagatag agtactcggc aaatatatct 120
agttcttatt atgggtttta tggcttctcc tacacagatg aaagtaatga gaaaaagtac 180

```

## 920

```

tttgcagcaa ctcagtttga acccctggca gcaagatctg cttttccttg ttttgatgaa 240
ccagcattta aagccacttt tatcatcaag atcataaggg atgagcaata caccgcttta 300
tcaaatatgc ctaagaagtc atcagtcggt ctagatgatg gacttggtca ggatgagttt 360
tctgagagtg tgaagatgag cacttacttg gttgctttca ttgtgggaga gatgaagaac 420
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ancaatggaa aattgggntt ttgctcacct tccgaaaagg anacacttct gtttgacant 660
tacacttctt ccatggcgga taaaaaagct gggtgactaa aatcatttgc tcattgaact 720

```

&lt;210&gt; 1481

&lt;211&gt; 1167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1481

```

cggcagcgac agcggcagcg tcagcgtcag cggcgtgag ttttgtctcc cgggccgtct 60
gggcgcgcgc ggggtgtcca gaatgaaata tgactgagga ctctcagaga aacttttcgtt 120
cagtatatata tgagaaagtg gggtttcgtg gaggttgaaga aaagaaatca ttagaaattc 180
tcctaaaaaga tgaccgtctg gatactgaga aactttgtac ttttagtcag aggttccttc 240
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atctgaggat gtgttcgcgc gcgccc aaac ttccttatga tctctgggtc aagagggtgct 720
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caaagtgtt tttttccccc aataaaatta ttttaattgaa atgcctgggtg ttgctgtgtt 1140
ggcgagcagc atcttgcagt tacatag 1167

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&lt;210&gt; 1482

&lt;211&gt; 2129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

921

&lt;400&gt; 1482

```

cgaanttcgg agcgnccggt actgttgaaa gcgagacatc accagataga gataagaaaa 60
aagagcagtc agaagtatct gtttctccta gagcttcaaa acatcattat tcaagatcac 120
gatcaagggtc aagagaaaaga aaacgaaaagt cagataatga aggaagaaaa cacaggagcc 180
ggagcagaag caaagaggga agaagacatg aatccaaaga taaatcctct aagaaacata 240
agtctgagga acataatgac aaagaacatt cttctgataa aggaagagag cgactaaatt 300
catctgaaaa tgggtgaggac aggacaaaac gcaaaagaaag aaagtcatca agaggcagaa 360
gtcactcaag atctaggtct cgtgaaagac gccatcgtag tagaagcagg gagcggaaga 420
agtctcgatc caggagtagg gagcggaaga aatcgagatc cagaagcaga gagaggaaga 480
aatcgagatc cagaagcagg gaaagaaaaac ggcggatcag gtctcgttcc cgctcaagat 540
caagacacag gcataggact agaagcagga gtaggacaag gagtaggagt cgagatagaa 600
agaagagaat tgaaaagccg agaagattta gcagaagttt aagccggact ccaagtcac 660
ctcccttcag aggcagaaac acagcaatgg atgcacagga agcttttagct agaaggttgg 720
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2129

```

&lt;210&gt; 1483

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1483

```

ggtcgaattc cgggtcgacc acgcgtccgt ttgcttgtna ctatttttca ttgaagcatg 60

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922

```

cgcttaccta tgctgattct tactaaaagc ataggctggg gtattttattg gcgaaaggaa 120
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gctgccaatg gatttaagac ttgaaatggt gaaagttgag tgggaattatt tccctcctaa 240
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gactagattg ktttcttgka taactaaata cctgkataaa atgaactaat gttttctctc 480
ccctccctac cccttcctaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 533

```

&lt;210&gt; 1484

&lt;211&gt; 901

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1484

```

tcgacccacg cgtecgaaac aaaacaaaac aaaacaaaaa cttgaaagac tgcccaagaa 60
aggtgaaggt tagatctcag gggatgatct tgaagcaact gagacagacc tagaaacttg 120
cctcatatga tacaagaaga cccagcttct ttgtctctac cctgtaggca ctgggtagac 180
aggtaggtga tattttactt cacaacaag ggaactaaaa gtatgaacat ttctctgttc 240
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a 901

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&lt;210&gt; 1485

&lt;211&gt; 782

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (691)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (746)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (762)

&lt;223&gt; n equals a,t,g, or c

923

<220>  
 <221> misc feature  
 <222> (772)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (780)  
 <223> n equals a,t,g, or c

<400> 1485  
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 gttgcagtga gtggagatca tgcattgccac tgcactccag cctgggacgac aagagcaaga 240  
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 catattccat attttgggtta gccattctcc ngaacggaca tctgggggtt gcttccacct 720  
 tttgacgaat ggtgaataaa gccggnatga ccatgggtgt anagccaatc antccattcn 780  
 tt 782

<210> 1486  
 <211> 891  
 <212> DNA  
 <213> Homo sapiens

<400> 1486  
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 tccctcattt tgctctgctt gtgcaatttt ttccaccctc catctctgtc aaacgtaagc 180  
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 tgaatcatag ggaacagcat gtgtagtgga atgaacacag gcctctgaat ccaagatacg 360  
 agttttaaata ccagcttttg aggtgggttac ttaaagtctc agtgccttca ttcttcttcc 420  
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 gttgaattga attttaaatta mctgtaagtc ttaaaatgtg ggattaaatt aagaatata 720  
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 acataatgga atattattca gccttaaaaa ggaatgaaat tctgacatgt gctacaatat 840  
 gatgaacctg gaagacatta tatgtgaaat aagccagaca gaaaaggaca a 891

<210> 1487  
 <211> 1181

924

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (617)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1487

```
gcgaaaaata ccgtttggga ccaggctggc ctagaccagc ggatgagaat gcaccctaaa 60
ataaatatac gggaagcagc agagggtctc cctgtctagt gtgtgatcct aactaaaggc 120
agctctcttg gacagccttc ccctggatta ggtcacatac acctgggtggc caagcctctg 180
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caaattgtat gcaagtggaa aatacccata ggcctagaca gctgtggagg gaagacctcg 300
tgggtacctg gaggtgcca gagctgggag ctctgcaggc atgagtcagg gaaggctcag 360
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ctgtttccag aaactcaaga aaaagctcaa acagaagaca gttccccctga gaggtgggag 600
gcgttgggtg tgaaggnaat tttcctagct aaggggcaact gggccttgct gcaccttggg 660
gctgaccttt tttgcaaaac acccaccctt gccctcctgg catactcaac agcaacgcca 720
gctttctgga cccttggaaa gatgttagct caaacaccca ctttttccag atcttctct 780
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aagggatcaa aakgcctcca tgccarttgt taakggctac atatttgccc ttcccaaggg 1140
tatttgcatt tatttagaac aggccttaaa ttcaaggaaa a 1181
```

&lt;210&gt; 1488

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (478)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

925

<221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (505)  
 <223> n equals a,t,g, or c

<400> 1488  
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 gaaaacaagt tggtgctgga gcagttggag attcagcaaa ggaaagccaa ggacagccac 180  
 caggagcgcc tccaagaagt ttctaagctg actaaacaac taatgctcct ggaggcaaaa 240  
 acccacggcc aggaaaagga gctggcggag aacagggaac agctggagat ttacgtgcc 300  
 aaatgccaa aactcaaaac acactcggat ggcaaaatcg cagtggagat tcataaatca 360  
 attgtgaatg aattaaaaag ccaattacag aaggaagaag anaaagaaag ggctgagatg 420  
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<210> 1489  
 <211> 651  
 <212> DNA  
 <213> Homo sapiens

<400> 1489  
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 cgccgtgcc cgctcgggc ccacagccca gcttcatggc gcacctggca ggcgcgggtg 240  
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 gcggctggtg ggtggtgctg ctggcctacg gcaccttctt gctcttcgcc gtcttctgga 360  
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 ccctttgtga acggacgtct cagggtgct gtgccccttg ggtgtgggtg gcctcaaagg 540  
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<210> 1490  
 <211> 2968  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2961)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2964)



926

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1490

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ctacccccctg tctccccac aaaggacacc ggctgggatt cggtatcgaa tcgcagttat 180
cgcagacctg gacacagagt caagggccca agagggaaaac acctgggttca gttacctgaa 240
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aggcttcaag gccgaatggc tggcagtga ggcagagcgt ctgtacgtgg gcggcctggg 540
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927

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 aaaaacaaaa aaaaaaaaaa nagnagag 2968

<210> 1491  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (373)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (484)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (529)  
 <223> n equals a,t,g, or c

<400> 1491  
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 tccccatttg aattgttccc tagagtttac acagttgtac cttattacca gtttaaattgg 120  
 atatctcagt taataatttt caatagtga actatcaaat atcagagatt tacttccttt 180  
 tagttactat gaaaagcaca ttacttttg agagcaactg taatacacct aaaattagag 240  
 caaccaaagg catgtatgga gcatttttta atttaaaaaa ttgcattttg tttctcatac 300  
 cttattttaa acattaagaa gtaaatgtct ttagtttttg agtacatttt tatatgaata 360  
 ggaaacatgc tgntttcata atccagkctt ttgatgtgtg tgaaatgaat ttgtgtggag 420  
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 taanaattcc agacctcagt ttcttatggg ggataacaat ggatttggn 529

<210> 1492  
 <211> 1225  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (59)  
 <223> n equals a,t,g, or c

<400> 1492  
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928

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aaaaaggtaa ctcatgcatg tactaccttt tttctctatg tctgagaact gtcagattaa 120
aacaagatgg caaagagatc gttagagtgc acaacaaaat cactatccca ttagacacat 180
catcaaaagc ttatTTTTat tcttgcactg gaaggaaatc taagtcaact gtttcttgac 240
catggcagtg ttctggctcc aaatggtagt gattccaaat aatgggtctg ttaacacttt 300
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cttaaaagga acttcagtga atttgttttt attttttaac aagatttgtg aactgaatat 600
catgaaccat gttttgatac ccctttttca cgttgtgcc aacggaatagg gtgtttgata 660
tttcttcata tgtaaggag atgcttcaaa atgtcaattg ctttaaaactt aaattacctc 720
tcaagagacc aagggtacatt tacctcattg tgtatataat gtttaatat ttgtcagagca 780
ttctccaggt ttgcagtttt atttctataa agtatgggta ttatgttgct cagtactca 840
aatggtagtg tattgtttat atttgtacct caaataacat cgtctgtact ttctgttttc 900
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aaaaaaaaa aaaaaaaggg cggcc 1225

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&lt;210&gt; 1493

&lt;211&gt; 2298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2291)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1493

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gaattcggca cgagccactg ggacatgtcg ctgccgctca tctgtactct gagcactatc 60
tccatcatcc tcctagcggc catgatcacc atcgccgtca agtgcaagcg cgagaacaag 120
gagatccgca cttacaactg ccgcacgccc gagtacagcc acccgagct ggggtgggggc 180
aagggcaaga agaagaagat caacaaaaat gatatcatgc tgggtgcagag cgaagtggag 240
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atgtacttcg actaccagac ccgcctgccc ctccagctcg cccggctcga ggtgatgtat 360
ctcaaacagg cctccaacaa cctgactgtc cctcaggggc acgcgggctg ccacaccagc 420
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akctccacgt ttaaggaccc agaaagacca gcctgagaga cagtgggcac ggggacagtg 600
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caagcagccc aaccaaggcg tgcacgcagc cttgcacctc aacaaaaggc tccctggatg 1080
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929

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gtcaatatct gtcacctagt aagcaaccaa gagacctcc cttcatggct tccgatcaga 1200
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kacatctcat gtcataataa agttaaatgt aaaaagatac agtccatttt gtccctgcaca 2100
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gaaaagttct aaaaaatagt taccattgag tggtgaagatt cagagaaaaat taacttgatt 2280
aatatgtttt naaaaaaa 2298

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&lt;210&gt; 1494

&lt;211&gt; 389

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1494

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aganacccan ccctcactaa agggaaacaaa agctggagct ccaccgcggt gacgaccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gngccccgc gagccgctcg 120
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cccaaggggc ccgaggacag tgggtgcggga ggcacgggct gcggcggcgc agacgaccca 240
gccaagaaga agaagcagcg gcggcaacgt acgcacttca caakccagca gttgcaagag 300
ctagaggcca cgttccagag gaaccgctac cccgacatga gcatgaggga ggagatcgcc 360
gtgtggacca acctcaccga gccgcgcgt . 389

```

&lt;210&gt; 1495

## 930

&lt;211&gt; 1400

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1495

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ctctggagcc accagcagaa cctcttcaat atcttgcatg ttacagattt cactgctccc 60
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aaaaaaaaaa aaaaaaaaaa 1400

```

&lt;210&gt; 1496

&lt;211&gt; 1484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (464)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1496

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caggcgacag agctgagcca agcgtttact gggcagctgt tacgctcaga ttccaaatga 60
waatgtttga gagcgctgac tctacagcca caagatctgg ccaggatctc tgggctgaaa 120
tttgttctct tctgccaaat cctgaacaag aagatgggtg caacaatgca ttctcagact 180
cctttgtgga ttcttgccct gaaggtgaag gccagagggg ggtggctgac tttgtgtctc 240
agccagctgt aaagccttgg gctcccttgc aggattcaga agtgtattta gcactctctag 300
agaagaagct aagaagaatc aaaggtttta atcaggaagt gacttccaag gacatgtctc 360
gaactctggc ccaagccaag aaggaatgct gggatcgggt cctccaggag aagttagctt 420
cagagttctt tgtggatgga cttgattctg atgagagcac cttnggaaca tttcaagagg 480
tggctccagc cagataaagt agccgtcagc acagaggagg tccagtatct gattcctcca 540
gagtcacagg ttgagaagcc agtggccgag gacgagccag cagccgggga caagccagca 600

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931

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gcagcagaac agtaaattac acacacacac acacacacac acacgccgag cagctgtctc 660
gggtccagag cgagcagcgt ggagctcagt gacagcagca gggagaaatc cactgaagga 720
aaaaacccaa atttccactc cacaaagaaa acagctgcaa gccccaggg acttacctgg 780
ggctggcatg tgtgactgtc tcggatgaag tgactgaccc agtgcacact ggatcaaaat 840
gctgctttcc tctgtgtctc acagcttggc tgagctctgt ctctgcaggt tagaagtctg 900
ctaaagatca aatgtgaaag tacttggaga aactgaggcc tcttatgtgt aatgtgtaag 960
ttaagtgagc catataatctt cttgcctctt ccggacattc atgcttgtgt cccaagcatt 1020
cccttgggtga attgtcacgt gagtggggcc agtaagagtg aagtctgctc cttgaatcca 1080
agccccatct ggggcttctc taacaaatct gtagtaagta tacggactcc agggagagag 1140
gctgggcttc tytctctcat ttgttccttg tggacaaaat gggcaaaaga agtgtgaaaa 1200
tgtgggtgtt tatgtctgtg tatatgtatt ttttacttca tgcattggctt ctctccaac 1260
ttctctctgc acttaaaaag ggccagggtc caaattagac ttgtaaatat ggtgttagtg 1320
tttgacacta ctctggata gttccaaaca tcttccttgt ggcagggttc ctggctgagc 1380
ccgagcttcc ctccctgttt attgtgttca tgatcagtat gtgtttccat ataaaacttt 1440
tctcaacgga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1484

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&lt;210&gt; 1497

&lt;211&gt; 2192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2174)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2190)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1497

```

gccccgatttc ctccgggcta caggcgacag agctgagcca agcgtttact gggcagctgt 60
tacgtctcaga ttccaaatga aaatgtttga gagcgttgac tctacagcca caagatctgg 120
ccaggatctc tgggctgaaa tttgttcctg tctgccaaat cctgaacaag aagatggtgc 180
caacaatgca ttctcagact cctttgtgga ttcttgccct gaagggtgaag gccagaggga 240
gggtggctgac ttgtctgtcc agccagctgt aaagccttgg gctcccttgc aggattcaga 300
agtgtattta gcatctctag ccattttatt ttaaaaatat ttcttgactt cggatgtggc 360
ttgagctgta ggcgcggagg gccggagacg ctgcagaccc gcgacccgga gcagctcggg 420
ggcgggtgaat aatagctctt caagtctgca ataaaaaatg gcctccaaca aaactacatt 480
gcaaaaaatg ggaaaaaac agaatggaaa gagtaaaaaa gttgaagagg cagagcctga 540
agaatttgtc gtggaaaaag tactagatcg acgtgtagtg aatgggaaag tggaatatatt 600
cctgaagtgg aagggtattta cagatgctga caatacttgg gaacctgaag aaaatttaga 660
ttgtccagaa ttgattgaag cgtttcttaa ctctcagaaa gctggcгааag aaaaagatgg 720
tacaaaaaga aaatctttat ctgacagtga atctgatgac agcaaatcaa agaagaaaag 780
agatgctgct gacaaaccaa gaggatttgc cagaggctct gatcctgaaa gaataattgg 840
tgccacagac agcagtggag aattgatgtt tctcatgaaa tggaaagatt cagatgaggc 900
agacttgggtg ctggcgaaaag aggcaaatat gaagtgtcct caaattgtaa ttgcttttta 960
tgaagagaga ctaacttggc attcttgtcc agaagatgaa gctcaataat tgttcacatt 1020
gttcttttat atatatatat atatatatat aaaaattggg tcttagattt tgatttacta 1080
gtgtgacaaa ataactacat cctaattgaaa atcaagtttg atatgtttgt tttgaaagta 1140

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932

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gcgtttggaag agttgttggg ggtttttttgc atccatagca ctgggttactt tgaacaaata 1200
aataaaagct ttctgtagtt gcttccttta tcagaaaaga acatttgata ccatgggtata 1260
tcatttcctc ttcattaaag aacagctttt ctaaagtgtg ggggaaatgt ccatagtcacat 1320
tactcagtc aacttgtgt tctcatgagc ctaaggacca ttctagattt attacgtggt 1380
ttttgtgtgt gtgtgtgtgt gtgtgtgtgt atccataaaa tgcataatgta aatttttttt 1440
tgtttttaag cattcaccca aacaaaaaaa tcacaggtaa acccatgttt ctgagatgcc 1500
attattccaa gcaaaataag agataatccc ttcaagttaa attgaaaatt ttcctgaaac 1560
catacatttc aagtgaata agtaattcta gataggacaa tttaaattgg ataattttta 1620
agtgtctata attgcagtgg tttatttgca aaattcctaa aaggaaaaat tttatcactg 1680
ccatcacagc aggtttcctc atccagatga ggaaactaga caaatgctag tgtgttttaa 1740
ctagctaaac aaaactaagt taaatgaaca tttaaaagtt tccctagcgg gccatttcct 1800
agcaaaatgt tggaatccct gttgctacat tgactaaaag gtcataatga atggaatatg 1860
taagacttgg ctcatagaaa cctaatacaga tggtagaggg tgttggcagt ttaggacctg 1920
ctgtcataaa tgtgtgaaca accttttgta acctaaccta ttgacctgca tgttttttct 1980
ttaccccaat tcattacatg gaggtcaat cttgagtttg ctttactggg tcagcaaaag 2040
ccaggaagaa caactttgta gtaatacaaaa tgttatccaa ctgtatatgg tttactttat 2100
tgtaaatact ggtgaacagt ggttaataaaa tagttttata ttcctttatg caaaaaaaa 2160
aaaaaaaaaa cctngggggg ggccccggan cc 2192

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&lt;210&gt; 1498

&lt;211&gt; 685

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1498

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gggaaagctg gtacgcctgc aggtaccggg ccggaattcc cgggtcgacc cagcggtccg 60
gtaaaaagtg actgaggaca caagcagtggt tctgcgttcc ccgatgcccg gagtgggtgg 120
ggcgcgtctc gtcaagcctg gagacgcggg agcagaaggc caagaaattt gtgtgattga 180
agccatgaaa atgcagaata gtatgacagc tgggaaaact ggcacgggtg aatctgtgca 240
ctgtcaagct ggagacacag ttggagaagg ggatctgctc gtggagctgg aatgaaggat 300
ttataacctt tcagtcacat cccaatttaa ttagccattt gcatgatgct ttcacacaca 360
attgattcaa gcattataca ggaacacccc tgtgcagcta cgtttacgct gtcatttatt 420
ccacagagtc aagaccaata ttctgccaaa aaatcaccaa tggaaatttt cattgatata 480
aatacttgta catatgattt gtacttctgc tgtgagattc cctagtgtca aaattaaatc 540
aataaaaact agcatttgct taaatattag tttgcccttt ctttgaatga agacaatgta 600
cacatagggc accaggtctg ccagtagact accagcattt ctttgtgatc cttttaagag 660
attgatataa atgtcagtc gttct 685

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&lt;210&gt; 1499

&lt;211&gt; 1049

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1027)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1046)

933

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1499

```

gctgaggggat ttcattcaaca ctagactgggt cccataagaa acgyttaagg gagtactttg 60
gtcagaaaga aacagacatt aatgagcaac aaagaatcat cttaaaggtaa aaaactcact 120
gttaagagta agtacacaga aaaacccaaa gtgtgataac attgtaactg tgggtgtgtaa 180
gtagaaagaa taaatgataa accaatcaaa aatagtaact acaacttttc aagaccagtc 240
agaaaaataa gataaaatta gaaacaacaa aaagttaaaa agtgggggga tgaagttaag 300
atgtagagtt tttattagtt ttttgtttgt taatgcaaac agtggtacca gggttaaata 360
atgggttaca aaatagtatt tgtaatcctt atggtaacct caaacctaaa aacatacact 420
ggatacataa aaaataaaaa gcaaaaacct aaatcatatc accagagcaa actaccttcc 480
ctaaaggaag acaggaagaa aagaaagaag aagaccmcaa amcaaccaga aaacaaataa 540
atwacaaggc aggagtaagt ctttacttat cgataatata ttgaatggma atatggacta 600
aactctccaa tcaaaagaca tagactgggt gaatgaatgg agaaaacaag acccattgat 660
ctgttgccca caagaaacac acttaaaacta taaagacaca cataggctga aagtaaagag 720
ttggaaagag ttattccatg ccaatggaaa ccaggaaaaa gagaaggagt attgattttg 780
atacaaaaaac tatgagacaa ataaagtcac tatacaatga waaaggggtt aatatgggtt 840
ccatttgtgc cccacccaaa tttcgtgttc tattgtaatc ctcaatgttg gaggtggggc 900
ctggtgggac gtgattggat catgggggtg gatctttcat gactaattca gcaccatctt 960
cttagtgctg ttctcatgat agtgagtcct ctgaatctgg ttgcctaaag tgtgtagccc 1020
tctccanacc acccgcttgc cttggnac 1049

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&lt;210&gt; 1500

&lt;211&gt; 1018

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1500

```

cgacagaagg gtacggctgc gagaagacga cagmaggggc tcctcgccag cagccgtccg 60
gagccagcca acgagcggaa aatggcagac aatttttctgc tccatgatgc gttatctggg 120
tctggaaacc caaacctca aggatggcct ggcgcatggg ggaaccagcc tgctggggca 180
gggggctacc caggggcttc ctatcctggg gcctaccccg ggcaggcacc cccaggggct 240
tatcctggac aggcaacctc aggcgcctac cntggagcac ctggagctta tcccgagca 300
cctgcacctg gagtctaccc agggccaccc agcggccctg gggcctaccc atcttctgga 360
cagccaagtg ccmccggagc ctaccctgcc actggccctt atggcgcccc tgctgggcca 420
ctgattgtgc cttataacct gcctttgcct gggggagtgg tgccctgcat gctgataaca 480
attctgggca cggatgaagc caatgcaaac agaattgctt tagatttcca aagagggaat 540
gatgttgctt tccactttta cccacgcttc aatgagaaca acaggagagt cattgtttgc 600
aatacaaaagc tggataataa ctggggaagg gaagaaagac agtcgggttt cccatttgaa 660
agtgggaaac cattcaaaat acaagtactg gttgaacctg accacttcaa gggtgcagtg 720
aatgatgctc acttggtgca gtacaatcat cgggttaaaa aactcaatga aatcagcaaa 780
ctgggaattt ctggtgacat agacctcacc agtgcttcat ataccatgat ataacttgaa 840
aggggcagat taaaaaaaaa aaaagaatct aaaccttaca tgtgtaaagg tttcatgttc 900
actgtgagtg aaaattttta cattcatcaa tatccctctt gtaagtcatc tacttaataa 960
atattacagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1018

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&lt;210&gt; 1501

&lt;211&gt; 2031

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



934

&lt;400&gt; 1501

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ccccgcgctc cgccccacgcg tccgccccacg cgtccgggcgc cagcgggcctc gccgcccgc 60
aagctgtcca catccctggc ctcagcccg caccacccc tgacctgctt acgcccagat 120
tttcttcaat cacatctgaa taaatcactt gaagaaagct tatagcttca ttgcaccatg 180
tgtggcattt gggcgctggt tggcagtgat gattgccttt ctgttcagtg tctgagtgt 240
atgaagattg cacacagagg tccagatgca ttccgttttg agaatgtcaa tggatacacc 300
aactgctgct ttggatttca ccggttggcg gtagttgacc cgctgttttg aatgcagcca 360
attcgagtga agaaatatcc gtatttgtgg ctctgttaca atggtgaaat ctacaacat 420
aagaagatgc aacagcattt tgaatttgaa taccagacca aagtggatgg tgagataatc 480
cttcatcttt atgacaaagg aggaattgag caaacaattt gtatgttggg tgggtgtgtt 540
gcatttgttt tactggatac tgccaataag aaagtgttcc tgggtagaga tacatatgga 600
gtcagacctt tgtttaaagc aatgacagaa gatggatttt tggctgtatg ttcagaagct 660
aaaggtcttg ttacattgaa gcactccgcg actccctttt taaaagtggg gccttttctt 720
cctggacact atgaagtttt ggatttaaag ccaaatggca aagttgcatc cgtggaaatg 780
gttaaataatc atcactgtcg ggatgaaccc ctgcacgccc tctatgacaa tgtggagaaa 840
ctctttccag gttttgagat agaaactgtg aagaacaacc tcaggatcct ttttaataat 900
gctgtaaaga aacgtttgat gacagacaga aggattggct gccttttatc agggggcttg 960
gactccagct tggttgctgc cactctgttg aagcagctga aagaagccca agtacagtat 1020
cctctccaga catttgcaat tggcatggaa gacagcccg atttactggc tgctagaaag 1080
gtggcagatc atattggaag tgaacattat gaagtccttt ttaactctga ggaaggcatt 1140
caggctctgg atgaagtc attttccctt gaaacttatg acattacaac agttcgtgct 1200
tcagtaggta tgtattta atttccaagt attcggaaga acacagatag cgtggtgatc 1260
ttctctggag aaggatcaga tgaacttacg cagggttaca tatattttca caaggctcct 1320
tctcctgaaa aagccgagga ggagagtga aggcttctga ggggaactcta tttgtttgat 1380
gttctccgcg cagatcgaa tactgctgcc catggtcttg aactgagagt cccattttcta 1440
gatcatcgat tttcttcc taacttgtct ctgccaccag aatgagaat tccaaagaat 1500
gggatagaaa aacatctcct gagagagacg tttgaggatt ccaatctgat acccaaagag 1560
attctctggc gaccaaaga agccttcagt gatggaataa cttcagttaa gaattcctgg 1620
tttaagattt tacaggaata cgttgaacat cagggtgatg atgcaatgat ggcaaatgca 1680
gccagaaaat ttcccttcaa tactcctaaa accaaagaag gatattacta ccgtcaagtc 1740
tttgaacgcc attaccag cggggtgac tggctgagcc attactggat gcccaagtgg 1800
atcaatgcca ctgaccttc tgcgcgacg ctgacctact acaagtcagc tgtcaaagct 1860
taggtggtct ttatgctgta atgtgaaagc aaatatctct tcgtgttggg tggggactgt 1920
gggtagatag gggaacaatg agagtcaact caggctaact tgggtgtgaa aaaaataaaa 1980
gtcctaaatc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2031

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&lt;210&gt; 1502

&lt;211&gt; 1463

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1502

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ggcgcggaaa gttggcctcg cccctgccga cgtcgcaggc tggagctcac ctgggagact 60
ccaagtggaa gccgagctcg gttctgcctc tccaggcaac gccggaggcc cagcgggaag 120
gcaggaggcg gcggcggagg aggagctcta ctgagccgca actgtggcga cagcaaccgg 180
agtcgcagcc gccgccacct gcacctggcg cctagcccac gtccagegcc tgcggggccg 240
ccgcttcccg ccacctgccc ctgcccaccc gccaggctact accattaaag ataccttctt 300
ctcagcaaat ctatgataaa aaatataagt aacagaagaa gaaataactg ttatttgtca 360
agtgaacagc ttttaatgtc agaattggctc acctaaagcg actagtaaaa ttacacatta 420
aaagacatta ccataaaaag ttctggaagc ttggtgcagt aatttttttc ttataatag 480
ttttggtttt aatgcaaaaga gaagtaagtg ktcaatatct caaagaggaa tcaaggatgg 540

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935

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aaaggamcat gaaaaacaaa aacaagatgt tggatttaaat gctagaagct gtaaacaata 600
ttaaggatgc catgccaaaa atgcaaatag gagcacctgt caggcaaaac attgatgctg 660
gtgagagacc ttgtttgcaa ggatattata cagcagcaga attgaagcct gtccttgacc 720
gtccacctca ggattcaaat gcacctggtg cttctggtaa agcattcaag acaaccaatt 780
taagtgttga agagcaaaaag gaaaaggaac gtggggaagc taaacactgc tttaatgttt 840
cgcaagtgc aggatttctt tgcaccgaga tcttggacca gacactcgac ctctgaatg 900
tattgaacaa aaatttaagc gctgccctcc cctgccacc accagtgtca taatagtttt 960
tcataatgaa gcgtggtcca cgttgcttag aactgtccac agtggtgctc attcttcacc 1020
tgcaatactg ctgaaggaaa tcattttggt ggatgatgct agtgtagatg agtacttaca 1080
tgataaacta gatgaatatg taaaacaatt ttctatagta aaaatagtca gacaaagaga 1140
aagaaaaggt ctgatcaactg ctcrgttgct aggagcaaca gtcgcaacag ctgaaacgct 1200
cacatTTTTa gatgctcaact gtgagtgttt ctatggttgg ctagaacctc tgttggccag 1260
aatagctgag aactacacgg ctgtcgtaag tccagatatt gcatccatag atctgaacac 1320
gtttgaattc aacaaacctt ctcttatgg gaagtaacca taaccgtggg aaattttgac 1380
tgggagtctt tcatttggst ggggagtcgc ttccygatca tgaggaggca aggagggaag 1440
rtgaacctac ccatttaaacc acc                                     1463

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&lt;210&gt; 1503

&lt;211&gt; 570

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1503

```

tgcaaaaatt acagctggtg cctgtaatcc ccgctactcg ggaggctgac acaggagaat 60
tgcttgaacc tgggaggtgg aggtttcagt gagctgagat cgtggcattg cactctagcc 120
tgggcaaccm agagtgaac tgtctcaaaa aacaactttt atcaatgtct gcaaaaagaa 180
agtcttctgg gatTTataga tcaatttagg gagaaatgac attttaacaa ttctgagttt 240
tccaattgtt gaacatggtg tactgcccc aTTatttaga tctgttaatt tctctcagtt 300
tgcagctctc acatTTtgtt aaattcatgt atttaatat tctgcatgct attgcaagtg 360
gtaagggttt caaaaagctg ttttctagtt attgctagta tatagaaatg cattagactt 420
gtacattgat cttgtatcaa gcaacttaga tcagttaact tattctagta gctTTTTtct 480
agattcttta gcatTTtcta tgtagataat catgtcatct gtgaataaag tattttactt 540
ttccaattta aaaaaaaaaa aaaaaaactc                                     570

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&lt;210&gt; 1504

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

936

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1504

```

cgcgtcgact tttttttttt tntgcttttg aaaatcaact atcattttta ttacaatctt 60
aaacactttt gtttaaggga atccaatttt cctcttccaa gggctctcca aacatggaat 120
atgtagggtt tcatcataat ctcaatgttg tttatccaaa tgtatcacgt tatataaata 180
tgtagagggt tccagatgtc aagggcaggg tattagggtc aagtgtggct ggctctaacc 240
tctccactga actcctagag tgagatttaa gttttattta atctaacttt actaattcaa 300
cttagtcgtg taagaaggat atgaagaata tgaattattg tacttcacac tgctactttc 360
atgtacagta tagtagawta atactgacma cyatagacma gragttaaaa ttkgtcycrg 420
gaaaatycty cargatttta amcattgrca ttgccncgga gcggagaatt cagggcccg 480
aaagnggggc nacttagg 498

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&lt;210&gt; 1505

&lt;211&gt; 2061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1505

```

gccggcaccg cagcagcccg aggagggcgc gggcrcgrgg cccgggtgct gcagcctgca 60
cctcagcgag cgcgcgact ggcagtactc gcagcgcgag ctggacgccg tcgaggtctt 120
cttctcgcgc acggccccggg acaaccgggt cggctgcatg ttcgtgcgtc gcgcgccctc 180
cagccgctac acgctgctct tctcgcacgg caacgccgtg gacctgggcc agatgtgcag 240
cttctacatt ggccctcggt cccgcataca ctgcaacatc ttctcctacg actactcggg 300
atacggcgtc agtcggggcaa gccctccgag aagaacctct acgccgacat cgacgccgcg 360
tggmagggcg tgcgcacccg gtatggcggt agtcccgaga acattatect ctatggtcag 420
agcattggga ctgtccccac ggtagacttg gcctcgaggt atgaatgcgc agggtaattc 480
tccattcccc tctgatgtct gggttgcggt tggcttttcc ggataccagg aaaacatact 540
gctttgatgc tttccccagc attgacaaga tatctaaagt cacctctect gtgttggtca 600
ttcatggtag agaggatgag gtcacatgatt tctcccatgg cctagcgatg tacgagcgct 660
gtccccgagc cgtggagccc ctttggkttg aaggggctgg gcataatgac atagagcttt 720
atgcacaata cctagaaaga ctaaaacagt tcatatctca cgaacttct aattcctgaa 780
gacaacaact tgatcttacc tcatttactg tgaacagaag agtccctctg tttgcacatg 840
ctttaactgg gtagctgtaa aggcttgata accatgaaga agtgcccaac ctttaggggtg 900
ttctaataca agagctgatg aaatctcagt cttttgtatc tagaggtggg tctgctaatt 960
cacacaacac gttaaactga acagtcgtga ttcccagctt cattaccttg caggaatggg 1020
aatgagagct gaatgtaggg acaattttct agtgctgtat aaagtagcct cgcactctgt 1080
tctcaacctt atccatcatt tctgacatlc atgcaggact tgcctgttg ccaccaatgt 1140
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937

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aaaaaaaaaa  aaaaaaaaaa  a  2061

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&lt;210&gt; 1506

&lt;211&gt; 2396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1506

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938

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&lt;210&gt; 1507

&lt;211&gt; 1153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1507

```

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gattttaacc gaggcacgga caacatcacc gtgagcaggg ggacacagcc atcctcaggt 180
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aatacagcct ccgaatccag aagggtggatg tctatgatga gggttcctac acttgctcag 360
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gggaatttga aggagaagaa gaatatctgg agatccttgg catcaccagg gagcagtcag 600
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cacccaaaaa aaa 1153

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&lt;210&gt; 1508

&lt;211&gt; 652

&lt;212&gt; DNA

939

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (573)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (600)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (622)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (637)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1508

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cccacgcgtc cggcggagaa ggaccccggc cgctcagccc cgggcgcgcg ctccgcagcc 60
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tccaagggct ccggcggcgg cgactcccgc aaagacagcg gctcctcctc ggtgtcttcc 180
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cctacaagcc gggccactcg gtgttccccg tgnccgcttc agcattggct accacggctn 600
catcgtgggc gcctacgccg gntacccgtc ttaattnctg cctggcctgg at 652

```

&lt;210&gt; 1509

&lt;211&gt; 1230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

940

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 <222> (1218)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1226)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1227)  
 <223> n equals a,t,g, or c

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 aggactccct tagaatggga aagaaaaatc ataaaaatatt gagctgatgc ctgtatatag 180  
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 tttctgtcag tagaaataac catatgtgct aaccaaattt ctgtgaagaa tgttttcatg 360  
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<210> 1510  
 <211> 1013  
 <212> DNA  
 <213> Homo sapiens

<400> 1510  
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## 941

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ttaacctggg ttcttgatg taaactcctt gagggcaaga acatgtttga acataaaaaa 960
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<210> 1511

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1511

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<210> 1512

<211> 2167

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1745)

<223> n equals a,t,g, or c

<220>



942

<221> misc feature  
<222> (2063)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (2156)  
<223> n equals a,t,g, or c

<400> 1512  
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943

tgctgtg

2167

&lt;210&gt; 1513

&lt;211&gt; 832

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1513

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&lt;210&gt; 1514

&lt;211&gt; 1364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1514

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gaatcccaact cccttctccc acttggttaat tagttacata cttttttgta attggtttatt 60
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ctgtattgaa ataacgaaaa gcagtcacat ttaataata gaagcttctt agcttactct 480
ttctgtaatc ttcttttctt aaatgtaaga gagcctcata attatgaggc ttattactag 540
agtaaggctg tcaaaggcag caaaatgtct ttctgtttgg aagaataaca taaacttgac 600
atgtatggtg ggggacagaa ggtttcaaaa gttaaagaat ctgtgttggt ttaacaaata 660
gatgcttctc aaggasstta cgytagtggg tactctgtcc agtcagggtt tttctctctt 720
taacttgggt tcatttctct atggcacaca tgaagtttgg atcatatggt ttgacttttag 780
ctatggtcct tagctatggg gagcagcatc agcgacctgt gacatgtaaa ttaaaaatac 840
aatgccaggg cccttcccca gcccctctga tagagaacct cttggccatc tgtattttta 900
gatgttccag gttagtctga ttaacaccct tgggttaagaa ccattgggag gatctgattg 960
ccagtttaag gggaccttca agcctgtagg tctttatagt taaaaaaaaa aaaagatttt 1020
aaaaatcatg catatgttgt ggctgaawtc tggtttagca catactgctt ttaatggcct 1080
gaaatgtttt tcccaaataa attstcttgt tatagctttc atgtgtgatt tgggtccagct 1140
tcttgttttg aagatactta cgggggggaa cacttttgta tttctcttag taacatatta 1200
accacttaa aaacccttct tattacaggt cttcacatct aggcttaatg tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320

```

944

ttggcaaact actgcccacc atctgttttt ttatggccta tgaa

1364

&lt;210&gt; 1515

&lt;211&gt; 1493

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1488)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1492)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1515

```

atctctgnct cgtatccgcc ttgcctccac aagtgtctggg attacaggtg tgagccacca 60
cacccggcct atattgtttt gaaagcatatc tctatatata gttaygggca gaggcacagg 120
catcctcagc agctgattca ggagatgatg gtaaagctag ctaactatga attaaacatt 180
cacatatcca gtctacctgg tccagtaata atacaagcaa atcttgtatt tcaggaacaa 240
atcaagggtc tcttaatttt ttggcttata tacaatgaag taaaaacttg ataaacatgg 300
tttcaaattg aggaggagag tcttggatgt atgttttaaa atgtatacct tataattctg 360
cctctagcca aatgctatgt ttgcaaaaatg tggcatctgt tagtttttat tgtctgtgtc 420
ttctttgttt actataacct gggttaatttt gtgttaccaa aaaaaaaaaa aaaaagggaag 480
tgtaatgtca gacacacaag aaaagcaaat cagtgttgta agcttaaagt acaatttcaa 540
aggtcattac caacagcagg gtttttttta tacttttaaa acattatgct acatatcatt 600
gccattttca tattttgggg ttttgtctact cttatacaat ggaatcaatg gaaatgtcat 660
ccagccactg aattgccatt attatatcta aaaagtttct aagatgacag ttatcactat 720
tttgttttat ctccatgctg acatttgaaa gaaggtaact gtatccctct agccagattg 780
cttagttttt cgttggtaat caaacaacag ttgtactaaa ggaaagtaaa gctaggacct 840
aaatcagaat catagttgcc tgcataatag gtaacaaggc cgtgtgcatt tgctttcaca 900
gtgatgagtg agaggatgag aagaaattat ttgacatttt tctgtggttg aatagaagac 960
acctttcttt tgtctttagg tttaggagga gatactaaga tactggatgt ttatcctatc 1020
ttagtttggg ttggagtaata agagagaaga agagggtgga ctttggcttt tcagtgtttt 1080
ttccctaaa gagtgatatt gctgacgttt ctatcaattt tacacataat atgtggctat 1140
gaaaccatat atctcactta agtaacaaag taatcacttt gtctatcact aagtaataga 1200
caaaaatcat tgtctattat ttaaagccaa caaaacagtg taacagtttt aagttcaata 1260
atgttaagta ttgtatagaa atatatttga ggcaaagttc agttgatgac aatttgttat 1320
atgttactga tgctgtaaat tatttttaaa aaagaaaaat gtattatcaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggccntt tna 1493

```

&lt;210&gt; 1516

&lt;211&gt; 2109

945

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1516

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agcactagct ttgacatcca cgggtgagctg caggggaagca tcacacacca gccagcatgt 60
gagcagaggg aggcagttgg ggttgaactt cgggaactagg ccgggtctyc tgacagatca 120
caagacaccc cagaggatct tcagcagtc tcttcccat tctctataga gctttgaagc 180
ttggaaccct tccagggtaa acattttctc ttgtgctgct yaggacatyt ggggcctagc 240
tcctgggttc ctgtctccaa gaagcaatga ccttaaactc tgagccatac tctgtcctca 300
ccagcggtc ccatgttttt ctgtgtcagg ttattaagta cctagtcctt gttttctgtc 360
tctstcctaa gctacctctc tgggtccaca gaagacttgg tagtatagtg agaattggcta 420
tacgtgagta caaacrtgga ttttccaggg cttgggaamt gattccttgag cccagaagag 480
ccamgcctgc tttgaggtct tttggagtgg agatgcagcc ctgggaaatt tggggagtca 540
gcaggccagt gtgaagctat tggtcctagg agtatatgag cttgctgttt ctttgatgga 600
aaatacatgc ttctcttgta tactcagaag tgactaaggg caataactca ttaatagcca 660
tctatccaac ttctttactg agtgatgtat tccatggggg tacctttttc agattattga 720
gttgctctgt aagcactaaa acttttttaat catttttaag aaacttttta gattgtatta 780
caaatttgcc ttaacagtaa ttagatgttg aatataattt taacatttta ttaatgactt 840
gggtcatcag ttaataccag tactaaaacc atacgaatta ttgggtttatt ccagaaaata 900
cagtatttgt tctattttta ggtagacaat catttgggat cagagtacat tagcatagta 960
atgctcagtc agacctgttc aagtagtaga gcttgagaaa tgccatgaaa tacttatata 1020
attaatttga ttgcatgaac taagcaattt tactaatgaa aagggttgat atgtgcaagt 1080
cactttttta aaaaccaaga aaaaacttta atagaggaaa tcttattcat taatttattt 1140
ttctgagtaa aaaaacgaaa cccaaatctc attttatttc aactgttaaa cattttgatc 1200
tgttgacca taggatcagg atttgggaaac cactttacta ggaaagagca gatcagtagc 1260
atttgataaa aaccggcctc attatgtgag aaagaaaatg ttacgtgttt tcttcttttag 1320
cttgggtgtg ggcacttcta cagcaaggac catatcatat tcatctttgc atccctggca 1380
cagtgcagta gacataagta ctttaataaat gcagttgaat ggataatgat tagtgattt 1440
tatggattag aaaaagcatg tttctattta agtaagctgt aaaaagtatt attgaatatt 1500
tactgtaaat atatgttcac ataaaaaaat aacttggagg gtctttgtgt ccctggcata 1560
ttatcatctt catggaaaaga atccactgtg gtttctgtag agtgattgga aaaatggatt 1620
attttgagga ttgaagaaaag tgttctttct gcgttgtcac tttgttcaac agtaaaaactt 1680
tattctcagt gttcctactc tgcattgttt acatttttga cagttttttt taatcaccta 1740
caatctgtaa agaattgtata tattcttttc agcatctcag tttgaaaaga catgcagtta 1800
aacttgacct tttgataatc gctcttacag gtcattgtct gttctaacag caaattgtaa 1860
acatgtgctt catagatatt gtggctctca gtcactactt tgtcctatgg tatttattga 1920
atgttcacat actaatgggtg cacagggtgt tttttctata aatcttctga ctgtcctgta 1980
attcattctt aagctttaac ttgaagggtat cgtaattgcc ggcatttgat gtttagcaat 2040
aaaagaataa atgtgtacca gcatttttatg tttaaaaaaa aaaaaaaaaa actcgagact 2100
agtctctct 2109

```

&lt;210&gt; 1517

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1517

```

gcttctccaa atcaaaccac agtatatgtt gtaacaatat ctatgaccac tgtagccca 60
ttatattcat tccaattaga agaaatgtga atactatatt ccgtgttttg agtgacaagt 120
ttcgaaaaat aaaaayacwg trtttttaaa agggaaatgc acttaaataa aaacagttat 180
tacaaaagtt aagattttaa aagaaaaagc aagagttttt attatgatgk aataccagta 240

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## 946

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gaatattttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
taagttttca tatcatgtgc tgtaaagttt tcctaaatga ggctttaacg taaacactgg 360
tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
tatgagttat gatagcagca attaagttgt ttgtattttg cttaaactaaa acaaaaatgc 480
ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
acaacaaaga aactgttcac ttttcaaata aaatgatatg tcagaaaaaa 590

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&lt;210&gt; 1518

&lt;211&gt; 425

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1518

```

cgtggctgag gggacccggc gcgggaggag cgggcgcggg cgcgaaaggg agatctttgt 60
gagtgatattt gcaaaaatag attgcgaggt tggttggatt tgcaacctgt ggctctcttc 120
gagggagtaa gaatggggga aggcgcggcg gcggcggccc ggggagggag tgggtagagt 180
tggagcctca gaaatcggct gagctccggg gcggggcggg gagaaagggc gggggggcag 240
caggagctag gggccacccc gctgccggat gtagtgaccg tggtaaagtgt cttgagaact 300
gtgggttgcg ttgcctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctccccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425

```

&lt;210&gt; 1519

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1177)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1519

```

ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagttttaa gactgtccag 60
aaactttaag ctttcaaaac tgtacatttt aaaatcctgt gcgtttatct tcattttgct 120
gggcagaaaag ccaaagtact ggactgcctg gttcaggggt gaacgcctag tacacctgct 180
aacttgagc ttcagagcca tggcaaccaa ggagtcaaga gacgccaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgccctgaa aacccaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcacagttt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatata ggatgttgcc tggkcatcag 480

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947

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attcmagkcg ycttgkttct gcctyaratg ataaaaactct aaaattatgg gatgtgagat 540
ctggaaaaatg tttgaaaaca ctgaaggggc acagtaatta tgtcttttgt tgtaacttca 600
atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
tgaaaacagg aaagtgtctc aagactttgt ctgctcattc tgaccaggtt tctgctgttc 720
attttaattg tagtgggtcc ttgatagtgt caggtagcta tgatggcctc tgtagaatct 780
gggatgctgc atcagggtcag tgtttaaaaa cgctcggtga tgacgataac cctcctgtct 840
cttttgtaaa attttctcca aatggtaaata acattctcac tgcaactttg gacaacactc 900
ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggc cataagaatg 960
araaatattg catatttgcc aatttttcag ttactgggtg aaagtggatt gtgtctgggt 1020
ccgaggataa ccgggtttac atttggaac cttcagacta aagagattgt gcaggaaatt 1080
acaaggccat acagatgttg tgatctcagg cagcttggtc atcctacagg aaaacctcat 1140
cggcntcagc aggcnttagg gaaaatggac aaaacantta aactgt 1186

```

&lt;210&gt; 1520

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (266)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (304)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (455)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1520

```

tcgaccacag cgtccgcaca agargaccaa acatgtacca agtggtgctt ctgtttgttg 60
ttgtccctga gctgcaggaa catcagtcca aaccgagcag gccatcacc agagtagcag 120
acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagaccta cagaccgcc ccaaccccca 240
agetctttcc acagtccacc gtaganaaca ccacccctc ctttaccagt gggacacaag 300
aatncttgtt tgtcttcctt atttccattt ccagaagact tttttccact ccacttttcc 360
ttctctcgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtgggctt tttcccccta gcnagctccc ctganccag 460

```

&lt;210&gt; 1521

&lt;211&gt; 1672

&lt;212&gt; DNA

948

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1583)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1645)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1663)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1521

```

ccagcctcca ggcacccggg atccagegcc gccgctcata acacccgcga ccccgagct 60
aagcgcagct cccgacgcaa tggacccggc gctggcagcc cagatgagcg aggctgtggc 120
cgagaagatg ctccagtacc ggcgggacac agcaggctgg aagatttgcc gggaaggcaa 180
tggagtttca gtttcctgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
aggcattgta tatgggacac tagaggaggt gtgggactgt gtgaagccag ctggtggagg 300
cctacgagtg aagtgggatg agaatgtgac cggttttgaa attatccaaa gcatcactga 360
caccctgtgt gtaagcagaa cctccactcc ctccgctgcc atgaagctca tttctcccag 420
agattttgtg gacttggtgc tagtcaagag atatgaggat gggaccatca gttccaacgc 480
caccatgtg gagcatccgt tatgtcccc gaagccagggt tttgtgagag gatttaacca 540
tccttgtggt tgcttctgtg aacctcttcc aggggaaccc accaagacca acctggtcac 600
attcttccat accgacctca gcggttacct cccacagaac gtggtggact ccttcttccc 660
ccgcagcatg acccggtttt atgccaacct tcagaaagca gtgaagcaat tccatgagta 720
atgctatcgt tacttcttgg caaagaactc ccgtgactca tcgaggagct ccagctgttg 780
ggacaccaag gagcctggga gcacgcagag gcctgtgttc actctttgga acaagctgat 840
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ccccactcag gggtggcggtg tgatgagcca ttcattgtgt ccaaactcca tctgcctgtt 960
acccaaacac gcctctcctg gcagggtaga cccaggcctc taaccatctg acagagactc 1020
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gaccacgttt ccttgactgt catagagaat catcatcgcc actgaaaacc aggcctgtgt 1140
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tgatatagac cttgtatatg gctttaatgc cgcaaaatat ttatttttcc ttaaaaaagg 1260
tgtcaacttg gaaataatgg tttaaaaaca ggataagcat taaggaaaaa cactttcaat 1320
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cctcggtgaa accagacagt gtgaatctgt tccagcccaa atctgcagca ttagggatga 1440
gttctcrgaa gtgattctga actgagcacg cactcatgtc tgcatgggga actctgggga 1500
gaagagcctt ccttttcttt cccttgggcc atttgccttt ccttgtcgtc ttactgaggg 1560
cggaggcgagg gaggtctct gtnttttcca gggccctggg cagggccatc ctggccattc 1620
agggaaaagat gggaagagtt agggntccg ttttaggcag ccntgggtgg ga 1672

```

&lt;210&gt; 1522

&lt;211&gt; 588

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

949

&lt;400&gt; 1522

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aggcgtatac caccatgact gaaaacaaaa gacttttttt tgagactccc tctcaaaaac 60
aaaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtgggc agattctact 120
ttgaatctga agtttgcaga tatgcctata gattttttgga gtttaccact ttcttattct 180
gtatcattaa tgtaatatatt taaattacta tatatgttac catttttctg gatttagtaa 240
gaaatttgca gttttgggtt gatgtaacaa gggttttaat gtaatttatg ttagattttg 300
catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt tttgagacag agtactatat ttgtgaatat aattttatgg 420
tttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
actattcttt aaaattawaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 588

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&lt;210&gt; 1523

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (490)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (496)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (503)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1523

```

cggcacgagg attttactga tactgcttat ctgtttaaaa ttcagataga aagtctgaat 60
gacaaattac aaaatgctaa agaacagctt cgagaaaaag agtttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgcc a ctcagtacaa ggaggccata 240
gatttggggc aagaattgag gctgaccgg gagcagggtgc agaactctca tacagaattg 300
gcagaggctc gtcacacagca agtccaagca cagagagaaa tagaaaggct ctctagttaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca tttagctgaa 420
gaactggggg cttctaaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520

```

&lt;210&gt; 1524

&lt;211&gt; 2791



950

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1524

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gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccacgcgtcc gcccacgcgt 60
cçgtaatccg tggttttctg gagcatttca cagcctagga acatacaagg ggggcatctc 120
cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaatttttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccctgagag accgttttct 480
cagttttctc tcgtaaaaca gcactttatg aaaatgcatg ctgagaagaa gcacaaatgt 540
agtaagtgca gcaattcgta cggtagacaa tgggacctga aaagacatgc agaggactgt 600
ggcaagacct tccggtgcac atgcggctgt ccctacgcca gtagaacagc actgcagtct 660
cacatctacc gaactgggca cgagatacct gcagaacaca gggacccacc tagtaagaaa 720
aggaaaaatgg aaaactgtgc acaaaaccag aagttatcca acaagaccat tgaatcattg 780
aacaaccaac caatccctag accagacact caagaactag aagcttcaga aataaagcta 840
gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
ccgagatata ctcagaagtt gctttttacca aagcccaaag tggcttttgt taaactaccc 960
gtgatgcagt tttctgtcat gcctgtcttt gtgcctacag ccgactcctc agcccagcct 1020
gtggtgtag gtgttgatca gggctctgcc acaggggctg tgcacttaat gcccttgta 1080
gtaggaaccc tgatcctcgg cctagattca gaggttgtct ctcttaagga gaggctacct 1140
cttttcaaaa ttgctaatac tattgtctgt gagccaataa gtactggtgt tcaagtgaac 1200
tttggtaaaa gtccatctaa tcctttacaa gaactagggg acacgtgtca aaagawtagc 1260
atttcttcaa tcaacgtgca gacagatctg tcttatgcct cacaaaactt tataccttct 1320
gcacagtggg ccactgctga ttcctctgtg tcgtcttgtt ctcaaaactga tttgtcgttt 1380
gattctcaag tgtctcttcc cattagtgtt cactctcaga catttttgcc cagctctaag 1440
gtaacttcat ctatagctgc tcagactgat gcatttatgg acacctgttt ccagtcagggt 1500
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gctacaggta acattataag caacagttta gtagcagaga cagtaactca tagtttgta 1680
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ttcagtgcac agaatagtat gcttccttca cagaacatga cagataatca gacccaaacc 1800
atagatttat taagtgattt ggaaaacatc ttgtcaagta atctgcctgc ccagacattg 1860
gatcatcgta gtcttttgtc tgacacaaat cctggacctg acaccagct cccatctggc 1920
ccagcccaga accccggaat cgattttgat atcgaagagt tcttttcggc ctcaaataatc 1980
cagactcaaa ctgaagagag tgaacttagc accatgacca ccgagccagt cttggagtca 2040
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tgtaggggaa attctaactt cttaggcctt gagatgtttg acacacagac acagacagac 2160
ttaaactttt tcttagacag tagccctcat ctgcctctgg gaagtattct gaaacactcc 2220
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gctaaaaata tacctgctct agaaagcaaa gttcagttga acagtacaga aacacagacc 2340
atgagttctg ggtttgaaac cctggggagc ttgttcttca ccagcaacga aactcagaca 2400
gcaatggatg actttcttct ggctgatctg gcctggaaca cgatggagtc tcagttcagc 2460
tctgtagaaa ccagacttc tgcggaacca cacacagtct ccaacttcta aaactaacgg 2520
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acaacagtat taattcgatt gaatgtggct gatgatgcag ttgcttagct tctttgtgtt 2640
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ttgagatgtt gatctaaatt gtttttgtgt tgcctacatt tgccttttca cagctagtct 2760
tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791

```

## 951

<210> 1525  
 <211> 687  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (686)  
 <223> n equals a,t,g, or c

```
<400> 1525
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60
ttctatcttt gtgttaacag tggacacagc aaggctttcc tacataagta taataatgtg 120
ggaatgattt ggttttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180
argatgcaaa rtccagagtg gcattttgct actytgtctc atgccttgat agctttccaa 240
aatgaaagtt acttgaggca gctcttgttg gtgaaaagtt wtttgtacag tagagtaaga 300
ttattagggg tatgtctata cracaaaagg gggggtcttt cctaaaaaag aaaacatgat 360
gcttcatttc tacttaatgg aacttgtgtt ctgagggtca ttatggtatc gtaatrtaaa 420
gcttggatga tgttcctgat tatctgagaa acagatatag aaaaattgtg ycggaactaa 480
ataattttcg ttgaacatgc tgccataact tagattattc ttggttaaaa aataaaagtc 540
acttatttct aattcttaaa gtttataata tatattaata tagctaaaat tgtatgtaat 600
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaana                                     687
```

<210> 1526  
 <211> 708  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (594)  
 <223> n equals a,t,g, or c

```
<400> 1526
ttcaccataa tagttctaata taaaatgggc cttgctgtag gagagacaaa ggggcttttc 60
ctctagctgg taactattca gatgatggac aagtcttctt tcataaaaga ttacaaagaa 120
ggcatccgaa tcaactgtctg tgatactggg tcacatatta atcaactgcag ctaattgtaa 180
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagttctg cttgatgcac 240
ttgatttgaa aagacatttc tctgtatgtg gcgcatgtcg gctttgcttt gaaaaataac 300
aaagtttagca gaatatgttc aatataatctt cttggggaat aggggttttta ttacatgatt 360
cattaaggat ttgccttacc ctgacatttg tgatataaaag gaaaaatcaga aaaaaagtaa 420
ttttcttgat caagatatgt ttttacttaa tgcaaataaa tgtagtctgt tgcttgcaag 480
gaaaaaaaaa tggcttctga tatctgggat aaactgctaa ataggataat acgtgcctct 540
tttgttaaac cggcatttaa atgctggact gcttctaaat ctgtttgttt cttntcatct 600
gtgccataca ctaaaaaaca actgttgccct tcatactata tttgttagag cagaatacaa 660
ataaaatttg agaggatwat gtgaaaatta taattaaaag ggcggccg                                     708
```

<210> 1527  
 <211> 618

952

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1527

```

ttcacacaat atgggggcagc atgcttttgt gacttttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggncctggtg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggcca aaaattcaag atgctcattt gcaagttgtc ttctagggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggtaaagct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctggctc ttacatttct gataccgcta ctggtgcca cctaaatcag 420
cagcctagtt ctcagcagaa ggcagcagag gatggcaagg ttggagggtg gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcaccctgag aaaaataatt 540
ctttaaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctcgtgcc                                     618

```

&lt;210&gt; 1528

&lt;211&gt; 1103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1074)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1528

```

cgcacgccaa acgggttttg aggaccctct tcgccttcgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaatccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgaagg gagatacatg ttatcagggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaatc cagcagacaa tcttattaca catgtaaagc 240
agtgtgttcc attggcagag atcatcctga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtattttaat tttgaggaaa cagtttatag 420
tcatcatatg tctccagtct ccaccaagca ctgtttggtg gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggtcacag 540
acaagaaata ttagcagttt cctggctctc acgttatgac tatactcttg caacagcaag 600
tgctgacagt agagtaaaat tatgggatgt gagaagagca tcaggatgtt tgattactct 660
tgatcaacat aatgggaaaa agtcacaagc tgttgaatca gcaaactg ctcataatgg 720
gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctctcactg ttggtacaga 780
taatcgaatg aggctctgga atagttccaa tggagaaaac acacttgtga actatggaaa 840
agtttgtaat aacagtaaaa aaggattgaa attcactgtc tcctgtggct gcagttcaga 900
atttgttttt gtaccatatg gtagcaccat tgctgtttat acagtttact caggagaaca 960
gataactatg cttaagggac attataaaac tgttgactgc tgtgtatttc agtcaaattt 1020
ccaggtaactt tatagtggta gcagagactg caacattctg gcttgggttc catncttata 1080
tgaaccagtt cctgatgatg gtg                                     1103

```

## 953

<210> 1529  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (206)  
 <223> n equals a,t,g, or c

<400> 1529  
 taaaaaaagn ggggttttaa cgggcccccc tttggggccc aaaggagggt tttaaccccc 60  
 cggggggggt tccccccggg ggggraaaaa attttttccc cccccccggg ggggggggttt 120  
 cccgggaaac ccccccccaa aaccggggcc cgggktttcc ccccgggggg ggggcctttc 180  
 ccaaaatttt tttttgccc aaacnnttcc caaaaaattt 220

<210> 1530  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<400> 1530  
 gagggggcggc gggctagtaa ccatagcggc tcgcgtgggt cggctggcaa gtaaccatag 60  
 cggcgagcgt ggggcggagt gtggctcggg agtcctctgc gtgccctcct gggagctggg 120  
 tgctgtgagt cctcccctag cgggctgggt tcggcgcgga gtcggcgccg aacccgagct 180  
 gctgctctgg ggcgtgtgcc tagggcgagc ggctggagcg cggggctgcg cggttgctcg 240  
 cgstccgctg aggtctctag gaaagggggc gatttgaggg ttccgcccgt accgcttcca 300  
 rcggcgagca cgcgcgtctt ggaccagagc cgltgcccgc tgtctcgtca cccgaagcct 360  
 cctcctgacg ccgtgctagt gcgaggggtc ccaggggaat tcggggcaca agtcggggccg 420  
 gagcatccgg gcggccgc 438

<210> 1531  
 <211> 2062  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1022)  
 <223> n equals a,t,g, or c

<400> 1531  
 gcccacgcgt ccgcccgact cggagcccct cggcgggcgc cggcccagga cccgcctagg 60  
 agcgcaggag ccccgagcga gagaccccaa cgccgagacc cccgccccgg ccccgccgcg 120  
 cttcctcccc acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180

954

```

cgatcctggg ggggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
aggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
acttccccat ctcccacatc cggctatggg ccttgcagct gatcttcgtg tccacgccag 420
cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
agggggagat aaagagtga ttttaaggaca tcgaggagat caaaaccag aaggctccgca 540
tcgaaggctc cctgtggtgg acctacacaa gcagcatctt cttccgggtc atcttcgaag 600
ccgccttcat gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctggtga 660
agtgcacgc ctggccttgt cccaacactg tggactgctt tgtgtcccgg cccacggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
ctgaattgtg ttatttgcta attagatatt gttctgggaa gtcaaaaaag ccagtttaac 840
gcattgcccc gttgttagat taagaaatag acagcatgag agggatgagg caaccctgct 900
tcagctgtca aggtcagtc gcyagcattt cccaacacaa agattctgac cttaaataca 960
accatttgaa acccctgtag gcctcaggtg aaactccaga tgccacaatg gagctctgct 1020
cncctaaagc ctcaaaacaa aggcctaatt ctatgcctgt cttaattttc tttcacttaa 1080
gttagttcca ctgagacccc aggtctgtag gggttattgg tgtaaggtag tttcataatt 1140
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cacagaggac acagagaagg tttgggtgtc ctcctggggt tctttttgcc aactttcccc 1260
acgttaaagg tgaacattgg ttctttcatt tgctttggaa gttttaatct ctaacagtgg 1320
acaaagttac cagtgcctta aactctgtta cactttttgg aagtgaacac tttgtagtat 1380
gataggttat tttgatgtaa agatgttctg gataccatta tatgttcccc ctgtttcaga 1440
ggctcagatt gtaatatgta aatggtagtg cattcgctac tatgatttaa tttgaaatat 1500
ggtcttttgg ttatgaatac tttgcagcac agctgagagg ctgtctgttg tattcattgt 1560
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tgatggctta tgatagcaaa tggcctcatg tcaaatattt agatgtaatt ttgtgtaaga 1680
aatacagact ggatgtacca ccaactacta cctgtaatga caggcctgtc caacacatct 1740
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gggaatttta ttgacacagt accatttaat ggggaggaca aaatggggca ggggagggag 1860
aagtttctgt cgttaaaaaac agatttgga agactggact cttaaattctg ttgattaaag 1920
atgagctttg tctacttcaa aagtttgttt gcttaccctt tcagcctcca attttttaag 1980
tgaaatatac tataacagtg aaagatagaa gcyaaaggta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg                                     2062

```

&lt;210&gt; 1532

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (161)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (339)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1532

```

ccccgcgcgc gcgaagtcgc tgagactctg cctgcttctc acccagctgc ctcggcgcgtg 60
ccccggtcgc tcgccgcccc tccctttgcc cttcacggcg cccggccctc cttgggctgc 120

```

## 955

```

ggcttctgtg cgaggctggg cagccagccc ttcccccttct ntttctcccc gtccccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgcccc agaagccgca cgtataactc 240
cctcggcggg taactcattc gactgtggag ttcttttaat tcttatgaaa gatttcaaatt 300
cctctagaag ccaaaatggg acacagtaaa cagattcgna ttttacttct gaacgaaatg 360
gagaaactgg aaaagacctt cttcagactt gaacaagggt atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attaccattt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagtgtg gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggact gtgttactct wcagacattt ttagcwaagt 720
gttttgggacc ttttgatgaa tgggaaagca gacttagggg tgcaaaagaa tcaggctaca 780
acatgattca ttttacccca ttgcagactc ttggactatc taggtcatgc tactcccttg 840
ccaatcagtt agaattaaat cctgactttt caagacctaa tagaaagtat acctggaatg 900
wtgttggaca gctagtggaa aaattaaaaa aggaatggat tgttttttgt attactgatg 960
ttgtctacaa tcatactgct gctaatagta attgtatcca ggaacaccca gaatgtgcct 1020
atattcttgt gatttctcca cactaaaacc ctgcctgggt cttagacaga gcactttggc 1080
ttttctcctg tgatgttgca gaaggggaaat acaaaagaaa gggaataacct gctttgattg 1140
aaaatgatca ccatatga                                     1158

```

&lt;210&gt; 1533

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1533

```

gggtgttcac tattgtgaat ttataatctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacia 120
ccgggggttct tttaccttc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagtgtgat tgggatttgg gaaaattgaa tcaagcattt 240
gcattcatcc agaatgggtc taaactgctg actgtggggg gccacagga tgagcactgg 300
tggcatgggt gggaggaatt tccttggata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgccaattcc 420
ctttactagt agaacatgaa atatctgata aatggtttaa aaaaaataag tgccaggata 480
cattgtagta taaaggttca actagtataa tttaaaatga gtctttatat tcaggnccag 540
gtgcgggtggc tcacacctgt taatnccag cacttt                                     576

```

&lt;210&gt; 1534

&lt;211&gt; 901

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

956

&lt;400&gt; 1534

```
gtgcgcgcgcg gtcctgcggc agctggccca agaccgcggag ccgaaaggaa gtgttgaggc 60
ctgaggtcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgcc 120
caccgccttg gagccgctga gggacgtcca cgtgggcctg tcccgcgcca gccgcggccc 180
tgtccgcttg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccg cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggttccg gggctcccgg gactggatcg gctgcgtgga ggccagcctc 420
tgcttcgctc atttcggagg gccccaggga cgctctgccc acgtaccccg gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcag 540
gttggggggg acscagatgc caggccaag gccttgctgg gartctgcgt cgggtcaggc 600
acggaagcct atgtcctggt attggaccct cactactggg gcaactccaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagaggatga gtgcagcctt tgaccccaac 720
tcctttctaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttggac 780
tgaggacgaa gttacagaac tgagattctc ggggtcccaga cacgcaccta tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggtgag 900
c 901
```

&lt;210&gt; 1535

&lt;211&gt; 1152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1147)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1535

```
caccncatt aagggancaa agctggtgct ccaccgcggg ggcggccgct ctagaactag 60
tggntcccc gggctgcagg aattcggcac gagctctttc aggccttaat agatattcaa 120
```

957

```

gaatTTTTatg aagtGacctt actggataat ccaaaatgta tagatcgttc aaagccgtct 180
gaaccaattc aacctgtgaa tacttggggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcaca atgaagtgat aggtccagaa 360
ttggttcatg tctcagagaa gaacttatca gagattgaga atgtccatgg atttgtttct 420
cattctcata tttcaccaat aaagccaaca gaagctgttc ttccctctcc tcccactgtc 480
cctgtgatcc ctgtcctgcc agtccttgcT gagaatactg kcatcctacc caccatacca 540
caggcaaatc ctcccsagt actggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttggtttca gcattgcagg aggtacggac aaccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac agggggagca gccgcccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcgttga aagaagcagg gtctaytgta cgcttgatg taaaaagaag gaaaccagtg 900
tcagaaaaaa taatggaaat aaagctcatt aaaggtccta aaggtcttgg gtttagmatt 960
gctggaggtg ttggaaatca gcatattscT ggggataata gcatctatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtantctgc cttaaagagc 1140
acatctnatt tt 1152

```

&lt;210&gt; 1536

&lt;211&gt; 1532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (231)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1536

```

gaagaggacc tcgatactgt ccctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttggaa cctgaaggaa tggattctga ccttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcac agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tggttatgag gaagctgcag ctcaaggtgt gatagccgga atcaacgccca 360
tcttcgggtc agtcgcaagc ctccctttgt ggtagccga acagaagggtt acataggagt 420
cttgattgat gacctcacta ctctgggcac caktgaacca taccgcatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgccctga taatgctgac agccggtc caactgcgagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttcttttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaattggaa 660

```



958

```

aaaattaatc ccagaggcct ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tgttctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagtctg 960
agagaaacta catttttagtc gtccacagac gatcggggct gctagtcgca taccggagt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaaag atttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattatct agcacatgtt aaaatagctt tattagggtta 1260
ctatggggtt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaa ctagtcgtaa acaatttgta ctctttcttt aaggagctgt aatacaaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgctt attaagtcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

```

&lt;210&gt; 1537

&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1537

```

cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctacca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgcgtgta tgtgacttga attttagtct cggccctgcc 240
tctgacattg tcgggtggtt atcctgggtc caggaaataa gactagcctt ttcctcatga 300
tagtccttgg tggtttttaa aacagttgtt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccaccca 480
gg 482

```

&lt;210&gt; 1538

&lt;211&gt; 723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1538

```

gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccggcagc cagtccggcc atgtctccca 120
caaccctgtt ggtcactgga gccacttccc tgcccacgcc agcaccctat gccatgcctg 180

```

959

```

agttccagcg ggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
taccacacct cccgcggatc acatcccagt acctgggtca tcgcgggagg atactgcacc 360
tccggaagag ggccttccag acttccaccc tectccactg cccaggaag accctactg 420
cctggatgat gcacccccca acctggatta cttggtecac atgcaggggg gcatectctt 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccg 540
cctggagacc tacacggtgg acatgagcca catcctgggt ctcacaccg atggccccac 600
gaaaacctat tgtcaccggc gactgaactt tctggaatcc aagttcagcc ttcattgagat 660
gttaaacgaa atgtccgagt tcaaagagtt gaagagtaac cccacccggg acttctataa 720
cgt 723

```

&lt;210&gt; 1539

&lt;211&gt; 937

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (548)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1539

```

taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaactc ttgatgcctg tgctgttac tacagaatgc 180
tctgtctgtc gccttttagag tgtagaaatc ctagtttagac tagtattctg gctacttctg 240
tagtctaaac atttacttct tgagggggtt ggggcattta ttcagagcca aggcctctgt 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccatc 360
ctccttttct tgctccttgt ttctcagct gtaaaatcac aatgattctg atacccact 420
ttataatatt gctctgagga tttaaatttg taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tattttttatc atgtagtggt gggtgaaatt 540
ggttttgngt tctccactct tagtttaaaa aatagtagtg gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaa aattgctttt tgcatagtc tcagttgatt cccactcact 660
atgatggcta tatagaacac aagttctcta ccatttctgc agtattttta aaattccttt 720
aaaaaactaa atatttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaga atacaaagaa aaaaacaatt gtacccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttatat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaa 937

```

&lt;210&gt; 1540

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (67)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

960

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1540

```
ggccgtggcc accaagccccg ggcgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctggn gcg agcggggtaaa ctgcccaccg ggcgggccac ccgctgcgcc cccggccccg 120
aagaggcagt cccaataggt tggcccgnct ggccgaagtc cgcccgagc ccgctcacct 180
gtcagcccc actgccgaca gggacactaa caggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gaggcgctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcggaa gggctctgga 360
ggttccaggg a 371
```

&lt;210&gt; 1541

&lt;211&gt; 906

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1541

```
accaacctca ctaaagggac aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtgatcc cccgggctgc aggcggagtg gggccctgca gcttccccgg gaggaaggag 120
acaggctcga ggatgtctgg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct accccttgga gtctgcccgc tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgtgccca cctgttcacc caggacctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctgactgagg tgtcgaagcc cccaaagcag 420
cgggtgctgtg tggccagtca gcagagggac aggaatcatt cggccactgt tcagacggga 480
gccacamcct tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaaactg 540
gcagggtgtcc acgcgctcca ggccagtgcg ttggttgta cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga ccctgggcca ctttaaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtttgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctcccgat gtatgaaggc 780
```

961

cggattcttgg gcaaagtgga gcggatcgat tgagccctgg ggtctggctt tggatgaactg 840  
 ttggagcccg aagctcttgt gaactgtctt ggctgtgagc aactgcgaca aaacattttg 900  
 aaggaa 906

<210> 1542  
 <211> 979  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (61)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (735)  
 <223> n equals a,t,g, or c

<400> 1542  
 aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60  
 nctcgttaact gagctgaatg attcaagggtc agaatgtatc acagcaacta ggaaaatggc 120  
 agaagaggta gggaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180  
 ccatggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240  
 gcaccctgtg tctttggctc cattggacga gagtaattcc tacgagcact tgacattgtc 300  
 agacaaaagaa gttcaaatgc actttgccga attgcaagwg aaattctmmt ctttaciaaag 360  
 tgaacacaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420  
 gacctatgtt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480  
 tcaagggtgac ttggtgaagg agatgcagct gggcttggag gaggggctcg ttccatccct 540  
 gtcattcctct tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600  
 cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660  
 ttcagcaaac cagtgcagtg tagatgaagt attttgcagc agtctgcagg aggagaatct 720  
 gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780  
 tgaggtgtac cggcagtcctc tcgagaagct agaagagaaa atggaaagtc aagggattat 840  
 gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900  
 tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960  
 agatgagtcc agttggcgc 979

<210> 1543  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (296)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (299)

962

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1543

```
gccccactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgttttgc atctaccatg gttcccatgg gctgggrcat attgcctagg agggtagata 180
atgccacttt gattttgtca gaagggtctc agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c 301
```

&lt;210&gt; 1544

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1544

```
ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaagggtgg 60
ccataggaca gtcccttttaa taaaagcttc catgtaaaac caaaataaag gtcagtatag 120
aaagtatcat ggggtatata acaaactgaa tttttggctt ccaatccaaa ctgggctaaa 180
tggtatgttt attttaaaca aggaatttgc catggacaag atctatctgg cttactgtga 240
gttagaagta cgccctgccg taacactggg atttccacat agtatggaag aggaagagag 300
gaaaacttaa ttaagtgttg caaaattggt tgaggaccta ttttggtcca ttccttatca 360
actccatgtg tgatttcaag ttatctaaag ggcattgtgac tttatttctg actaacatca 420
agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
ttccaagggg aagctccctc gttggacatc cagaagattg cattttctct tcagagtaca 540
attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatggtgtga cagaatgtgt tg 652
```

&lt;210&gt; 1545

&lt;211&gt; 2236

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2215)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2223)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1545

```
gctctaagtc acgggaactg cccttgctac ttgtgacctg ccctttactc agcagttttt 60
gttctgggaa gccctgggat tctgctaata cctatcactg taggtgctga agggaaacag 120
atgaagaaca tgacctcaag gagcttctct tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaatac 240
cttttggagg gttagaagat caggggacat ggttgttcac atttgctgcc acggaacacc 300
gccagtcttc acttggaac agaatcacgc cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tcctcctcca ccttccctgt gctcgggtct cacctgtctc 420
```

963

```

ccattctgtg acgatgggtc aatggaagag actctgccag ctgcattact tgtgggctct 480
gggctgctat atgctgctgg ccactgtggc tctgaaactt tctttcaggt tgaagtgtga 540
ctctgaccac ttgggtctgg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
gtataatttc ctgaaacttc cagcaaagag gtctatcaac tgttcagggg tcacccgagg 660
ggaccaagag gcagtgtctc aggctattct gaataacctg gaggtcaaga agaagcgaga 720
gcctttcaca gacacccact acctctccct caccagagac tgtgagcact tcaaggctga 780
aaggaagttc atacagttcc cactgagcaa agaagagggt gagttcccta ttgcatactc 840
tatgggtgatt catgagaaga ttgaaaactt tgaaaggcta ctgcgagctg tgtatgcccc 900
tcagaacata tactgtgtcc atgtggatga gaagtcccca gaaactttca aagaggcggt 960
caaagcaatt atttcttgct tcccaaatgt ctccatagcc agtaagctgg ttcgggtggt 1020
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ctcagtgcctg tggaaatact tcctgaatac atgtgggacg gactttccta taaagagcaa 1140
tgcagagatg gtccaggctc tcaagatgtt gaatgggagg aatagcatgg agtcagaggt 1200
acctcctaag cacaaagaaa cccgctggaa atatcacttt gaggtagtga gagacacatt 1260
acacctaacc aacaagaaga aggatcctcc cccttataat ttaactatgt ttacagggaa 1320
tgcgtacatt gtggcttccc gagatttcgt ccaacatgtt ttgaagaacc ctaaatecca 1380
acaactgatt gaatgggtaa aagacactta tagcccagat gaacacctct gggccacctt 1440
tcagcgtgca cgggtggatgc ctggctctgt tcccaaccac cccaagtacg acatctcaga 1500
catgacttct attgccaggc tgggtcaagtg gcagggtcat gagggagaca tcgataaggg 1560
tgctccttat gctccctgct ctggaatcca ccagcgggct atctgcgttt atggggctgg 1620
ggacttgaat tggatgtctc aaaaccatca cctgttggcc aacaagtttg acccaaaggt 1680
agatgataat gctcttcagt gcttagaaga atacctacgt tataaggcca tctatgggac 1740
tgaactttga gacacactat gagagcgttg ctacctgtgg ggcaagagca tgtacaaaca 1800
tgctcagaac ttgctgggac agtgtgggtg ggagaccagg gctttgcaat tcgtggcatc 1860
cttttaggata agagggctgc tattagattg tgggtaagta gatcttttgc cttgcaaatt 1920
gctgcctggg tgaatgtctc ttgttctctc acccctaacc ctagtagttc ctccactaac 1980
tttctcacta agtgagaatg agaactgctg tgatagggag agtgaaggag ggatatgtgg 2040
tagagcactt gatttcagtt gaatgcctgc tggtagcttt tccattctgt ggagctgccg 2100
ttcctaataa ttccagggtt ggtagcgtgg aggagaactt tgatggaaag agaaccttcc 2160
cttctgtact gttaacttaa aaataaatag ctctgtattc aaagtaaaaa aanaaaaaaa 2220
aanaaaaaaa actcga 2236

```

&lt;210&gt; 1546

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1546

```

ggataatect ctctccctgt tcccctcatt tggctgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcaggagg gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaaccctgc 240
tccttggtcc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcagggt gtaagtgtgc aggcacgtgt gtgcagggtg gtatgtacag ccgtgt 356

```

&lt;210&gt; 1547

&lt;211&gt; 1172

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

964

&lt;221&gt; misc feature

&lt;222&gt; (778)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1547

```

gggattacag gcgtgaccac cgtgcccggc ctgattctct taaaattgaa gaggtgctgc 60
caaggccttc agatctaacg cagatgcata gaccttggtc ctggtacttg ttcagcctgt 120
gctggggagc cgtggtcccg agttccctgg gaggtgaca ggggtcaagcc accctgcccc 180
ccaccctccc acttcccctc ccttttcttc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggtg gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtgggggaatg gggagggaag ggcatagcct gtcctcccat gagtctgaca 360
tctcggaaac tgagcagctg ccggacgcct gggtcaggaa tccaagaccc cacctcttaa 420
ggactgggtc ctcagaaagc accctcaggg aaaaagggtg aaacattaca tccgtggatt 480
ctcctgccac aaccgcattg gaagaaaagg ctgccgcaac atctcagcga ggagtgaagg 540
acccatgtcc caggaaccgc gctgcgccac ctgcactcac cccctcaca ttctcttaag 600
cacccggtgg cctccgagg cctggcggaa tgggtggtgcc cacgggggtg ggcaagggct 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaaagtaaa tgtttttctc aagaaagctg tgttcttctg ttgaccaga cgaatagngc 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgtc ctaactggtt tgaggcctta cagttttgka tctacathtt tccccctctg 900
gggtttgctg ggacagggac agaactacag gagtcatggg aaagaaaatt ctggcttcac 960
tactgctcac tgctcacttt ctgatcactc tgatactttt tttttttttt ttttgcaacc 1020
tgataccttg aaaagcttct atgtgtctct ccttttggtg cctggcagct gtctaggatg 1080
atcactgatt actattttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172

```

&lt;210&gt; 1548

&lt;211&gt; 1423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1548

```

tgccttttct gtgagctatt tgttttggtt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataatht actatggagc aagtgcccac atctctagga cattaagaca tttatgagaa 300
atctcaggat tcatcttctg tttttatggt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatca gacacatgaa aaaataacta 420
aaagtttaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg ttattttcaag tatacaatht ctatctgtaa tgtaatatat taccacaca 540
tttttttcac aggagagaga gaatatcctc atttgtttat gctcatgtgt attttctata 600
gtgaatttca gaaactttta atatcaggta atttcaatht atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcactact atgtaatgta atttcccttt atttcttget cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaaa aatattcctc ttattagctt tatatttact 840
ttatagaagt tgagttttta ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gctccttata aatatgttga tatctcagaa gacagcatcc cggttttcat tttataaagt 960
accatactta agaatgctgt aatacttata ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagtttt aactgtttac ttcatttaac agttttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc tttccatcta 1140

```

965

```
tatcaaaata cttttcaagg atatactttt caaaacaaac gatttaaatt ttatgkttaa 1200
aatataaact ttagatttta actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaa taaaatatat ttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtgggta atgatttttc tgggtgttgct 1380
gctaagtgtg attaacaaat aaaaacattc attgcctttt aaa 1423
```

&lt;210&gt; 1549

&lt;211&gt; 457

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1549

```
ggttctggag ctggaccagg aggagctgca gctgggccgg ggcggagcgc cgcgccgcgc 60
cagggccgcg aggaggggcg tgttgctgct ggcccaccgc gagccgcccc cagcccgcgc 120
cgaggcgccct tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gcccggcgcg cctggacccc tgcccctctc tgggtggaga agctcccggc cgcttcgggt 240
ttcactcctt ctcagcctgg gctcccagcc cctctctctc ttttccctgga ctggctctca 300
cccccttcgg tccccttctt ttagctcagg ctccctaccc ctcccttttag cccacaagcc 360
cagaagtccc aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcccttgc actatcccta tcctgccctt tctctat 457
```

&lt;210&gt; 1550

&lt;211&gt; 977

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (230)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (236)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1550

```
acccacgcgt ccgaaacact agcagcaaaa agtaagggat accaattgtg agaaacaaat 60
cacaactgca catcaaatgt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240
```



966

```

acaccatttta tacccccaca caaaataata gcatgagctg tgttttagag gagatagggg 300
gccaaaccaa attcactcct ctcagatgat agtaaagatc aaaagnattc gaagggaggt 360
ggtaaacgct ggtgtggtac atgtggcctt sctcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aaatagagag atgtgagcct gtgaggtcca agctagagga 480
agtccaaaga aaacttggat ttgctctttc tgacatctcg gtggtttagca attattcctc 540
tgagtgggag ctggaccctg taaaggatgt tctaattctt tctgctctga gacgaatgct 600
atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
ggaaattatc aactgtgcac aaggaaaaaa atagatatgt gaaagggttca cgtaaatttc 720
ctcacatcac agaagattaa aattcagaaa ggagaaaaca cagaccaaag agaagtatct 780
aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
tttcttggat ttatgttctg tatctgtgaa aaaataaatt tcttataaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaa 977

```

&lt;210&gt; 1551

&lt;211&gt; 2540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1551

```

tgcaactgtg caccagctt gccagatttt tccccattac acccccagtg tggcatatcc 60
ttggtcccca gaggcacacc ccttgatctg tggacctcca ggcctggaca agaggctgct 120
accagaaacc ccaggccctt gttactcaaa ttcacagcca gtgtggttgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggcct tctgaatgga gttctgacac 240
cgcagagggc aggccatgcc cttatccgca ctgccaggtc tgtcggccca gcctggctca 300
gaggaggaac tcgaggagct gtgtgaacag gctgtgtgag atgttcaggc ctagctccaa 360
ccaagagtgt gctccagatg tgtttgggcc ctacctggca cagagtcctg ctctgggaa 420
aggaaaggac cacagcaaac accattcttt ttgccgtact tcctagaagc actggaagag 480
gactggtgat ggtggagggt gagagggtgc cgtttcctgc tccagctcca gaccttgtct 540
gcagaaaaca tctgcagtgc agcaaatcca tgtccagcca ggcaaccagc tctgcctgt 600
ggcgtgtgtg ggctggatcc cttgaaggct gaggttttga gggcagaaag ctagctatgg 660
gtagccagggt gttacaaagg tctgtctcct tctccaaccc ctacttggtt tccctcacc 720
caagcctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggccctcc acagtaaggc tgctacatca 840
ggggcaaccc tggctctatc attttccctt tttgccaaaa ggaccagtag cataggtgag 900
ccctgagcac taaaaggagg ggtccctgaa gctttccac tatagtgtgg agttctgtcc 960
ctgaggtggg tacagcagcc ttggttcctc tgggggttga gaataagaat agtggggagg 1020
gaaaaactcc tccttgaaga ttctctgtct cagagtccca gagaggtaga aaggaggaat 1080
ttctgtctga cttcatctgg gcagaggaag gatggaatga aggtagaaaa ggcagaatta 1140
cagctgagcg gggacaacaa agagtctctc tctgggaaaa gttttgtctt agagcaagga 1200
tggaaaatgg ggacaacaaa ggaaaagcaa agtgtgaccc ttgggtttgg acagcccaga 1260
ggcccagctc ccaggtataa gccatacagg ccagggaccc acaggagagt ggattagagc 1320
acaagtctgg cctcactgag tggacaagag ctgatgggcc tcatcagggt gacattcacc 1380
ccagggcagc ctgaccactc ttggccctc aggcattatc ccatttggaa tgtgaatgtg 1440
gtggcaaatg gggcagaggga cccacctgg gaaccttttt ccctcagtta gtggggagac 1500
tagcacctag gtacccacat gggatatttat atctgaacca gacagacgct tgaatcaggc 1560
actatgttaa gaaatatatt tatttgctaa tataatttat cacaatgtg gtctggctct 1620
gtggttttgt tctgtcgtga ctgtcactca gggtaacaac gtcactctct tctacatcaa 1680
gagaagtaaa ttatttatgt tatcagaggc taggctccga ttcatagaaag gatagggtag 1740
agtagagggc ttggcaataa gaactggttt gtaagccctt aaaagtgtgg cttagtgaga 1800
tcagggaagg agaaagcatg actggattct tactgtgctt cagtcattat tattatactg 1860

```

967

```

ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
gctttttcag tccataaaat gggcctactt aatagttggt gcaggactta catgagataa 1980
tagagtgtag aaaatatggt ccaaagtgga aagttttatt cagtgataga aaacatccaa 2040
acctgtcaca gagcccatct gaacacagca tgggaccgcc aacaagaaga aagcccgccc 2100
ggaagcagct caatcaggag gctgggctgg aatgacagcg cagcggggcc tgaaactatt 2160
tatatcccaa agctcctctc agataaacac aaatgactgc gttctgcctg cactcgggct 2220
attgcgagga cagagagctg gtgctccatt ggcgtgaagt ctccagggcc agaaggggct 2280
tttgctgctt cctcacaagg cacaagttcc cttctgctt ccccgagaaa ggtttggtag 2340
gggtgggtgg ttagtgccct tagaacaagg catttcgctt cctagacggt gaaatgaaag 2400
ggaaaaaaag gacaccta atctctacaaa tgggtctttag taaaggaacc gtgtctaagc 2460
gctaagaatg cgcaaagtat aaattatcag ccggaacgag caaacagacg gagtttttaa 2520
agataaatac gcattttttt 2540

```

&lt;210&gt; 1552

&lt;211&gt; 608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (605)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1552

```

tcttacatta tggctcccgga ggggaagcna ttactttttt aaatttttaa tttttttttt 60
aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctgggtga acagtcagat 180
ttattttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatcccat 240
ccgttcgtat ttatattaaa gaattctgta ccctgatggg tcagaagggt tcttgggcct 300
tttgttcmat tgtgtattgg cgtacttaga atttttttta tttgaaagag aaatataatt 360
cctttaaacg gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttccttgctg ctcacattct gagaaacaaa aagaaataaa 540
gttttttattc tgaataatat ccgntntaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

```

968

&lt;210&gt; 1553

&lt;211&gt; 784

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1553

```

tggccgaggt gttgceggacc tggccgtctc acaggtectt ccccgaggtcc aagaggctct 60
tctgtgtcct gatgacaagt agctgcctag ccgtgggtggc acctcctatc acatgttaag 120
ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180
tagtgtaaac caaagataaa attctaagcc cactccccc gccatcggaa tggacccctc 240
ctcttggtcca gggcactcca aagttaacct gaaaaaccgg ttcaggctgt gaagagaagg 300
tggagtggac atgcctcatt tatgtcctcc tcccttttgg aattcagcaa agctgaccag 360
catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420
agcgtgtctac ctggagtctt cctttgcatg ataaaacttt ggtctccaca accccttctc 480
ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540
ttttgaatct acctataacc tggaaacctcc ccgctccacc ttcgagttgt cctacctttc 600
tggacagaag caatgtggat cttgcatgta tttgattgat gtctcatgtc tccctaaaat 660
gtatacaatt aggctgtgcc cagatcacc tgggcacatg ttctcaggcc ctcttgaggt 720
ctctgtctcg ggccattggt cactcagatt cggctcagaa taaatctctt caaatattaa 780
aaaa

```

&lt;210&gt; 1554

&lt;211&gt; 1931

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1554

```

ggcctctggc tgctctgtta acgtgtcccg cgagcgaggc ggcgtcgcaa aggtcgcggc 60
ggaacttccc tgcgtttttc agaccatact ctttacggta ctaggcactg ctgagctggg 120
agatgtcggc ggcgtgttg gaggaaacct ggggtcttcc cggcggcttt gcgaagsggg 180
tcctggtgac cggcgggtgt ggttttcatt catcacatat gattgtctct ttagtggaag 240
attatccaaa ctatatgatc ataaatctag acaagctgga ttactgtgca agcttgaaag 300
atcttgaaac catttctaac aaacagaact acaaatat atacagggtgac atatgtgatt 360
ctcactttgt gaaactgctt tttgaaacag agaaaataga tatagtacta cattttgccg 420
cacaaacaca tgtagatctt tcattcgtac gtgcctttga gtttacctat gttaatgttt 480
atggcactca cgttttggt aagtgtgtc atgaagccag agtggaag tttatttatg 540
tcagcacaga tgaagtatat ggtggcagtc ttgataagga atttgatgaa tcttcacca 600
aacaacctac aaatccttat gcatcatcta aagcagctgc tgaatgttt gtacagtctt 660
actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720
atcaatatcc agaaaagggt attccaaaat ttatatcttt gctacagcac aacaggaaat 780
gttgcatcca tgggtcaggg cttcaaaca gaaacttctt ttatgctact gatgtttag 840
aagcatttct cactgtcctc aaaaaaggga aaccagggtga aatttataac atcggaacca 900
attttgaaat gtcagttgtc cagcttgcca aagaactaat acaactgatc aaagagacca 960
attcagagtc tgaaatggaa aattgggttg attatgttaa tgatagacct accaatgaca 1020
tgagataccc aatgaagtca gaaaaaatac atggcttagg atggagacct aaagtgcctt 1080
ggaaagaagg aataaagaaa acaattgaat ggtacagaga gaattttcac aactggaaga 1140
atgtggaaaa ggcattagaa ccctttccgg tataatcacc atttatatag tcgagacagt 1200
tgtcaaagaa gaaagttatc ctacctcgcc aagtggatat aaattaagt accaaatgaa 1260
gtgcactctt ttcttttgga attagattca tgactttctg tataaaattc aaatgcagaa 1320
tgccatcaatc tttgggagag tttcagtact ggcatagaat ttaaattgtc aaattctttc 1380
tgaaacctt tctcctagaa actaggaaat aatagggtga gaagactctc cctaagggtg 1440

```

## 969

```

gccaggaaga agtctcctga ttcggacaac catgaggggt agtgggtgcta gggagaaggc 1500
aaccttcact ggttttgaac tcagtgccta agaaagtctc tgaaatgttc gtttttaggc 1560
aatataggat gtcttaggcc ctaattcacc atttcttttt taagatctga tatgctatca 1620
ttgccttaat aatggaacaa aatagaagca tatctaacac tttttaaatt gataattttg 1680
taaaattgat tacgttgaat gctttttaag agaagtgtgt aaagttttta tattttcaca 1740
attaacgtat gtaaaacctt gtatcagaaa tttatcatgt ttactgttta aaatgattgt 1800
atttataaaa ttgtcaatat cttaatgtat ttaatgtaga atattgcttt ttaaaataat 1860
gtttttattt tgctgtagaa aaataaaaaa aaatttgatt ataaaaaaaa aaaaaaaaaa 1920
aaaaaaaaa a 1931

```

&lt;210&gt; 1555

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1555

```

agcatttctt ctgagttgtg cttgctgaac tcaaatacta ggtgatttgg taatgcgcct 60
aaagagcatg gggctcctcc tgccaattat aagcaaagac atcacatttg gagtttggca 120
agatcagaat atctcagggt gagcacctgc tgaatgctag gattgtgtct atgcatttta 180
aatctatttt taatctttat tacagtctta taatagggat tatgacacca gaacagagac 240
agctgtctta agattwcaag ggggtgctagc tgaagaaaac agagaggaaa gttgggaaga 300
agctggatcc ttgataacag ctgagccatg gacttaacca gtcttagatg agcgatacct 360
caccttcaga tttcatgtca taccacctga aata 394

```

&lt;210&gt; 1556

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (314)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1556

```

tgggacatgt cggatgaaccc gaatgcctag taaggcagct ctgatggagg aagccaagct 60
gatggcatct ctctggcact tggcagcgat ggcccttcatt acttacgtgc tcctggctgg 120
gatggcactg ggcattcaga aaaggctcagt gccaaagcccc tcccttacct tccctccct 180
gtgagctctt ctcccaacct ccctagggca tatgtggtgg tccccagctc accctctggt 240
gccccagtct ctcttcctca cccctgcctc aggatgcctg gctctgagcc acccttgctt 300
tggcgcagggt tntnccccga ggtgctgggc ctgtgtgcaa gcacag 346

```

&lt;210&gt; 1557

&lt;211&gt; 1577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

970

&lt;400&gt; 1557

```

cctccaagat ggccaccttt tttgcamagg cktwcccat cmaggggggc acagcccatt 60
caggtttgas cytgctggc ccmagctccy tcagtcctg cctggcaagt cctccatkgg 120
cacaacmasm ttgcctggg ggaattttca gcttttctcg agcagcagcg agaccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcca accattctta cagtgaacca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttctgaaaa gaaaggtggc 300
ttaaaggaac tgtttggaag gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gatttaaact gcaatattca agatgatgct ggggcttttt atgggtgtaac cagtcagtac 420
gagagttctg aaaatatgac agtcacctgt tccaccaaag tttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgscgatt tgtataccga 540
ataraccgct cccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
ccagagaaat atatgatgaa cagtgttttg gaaamcttca caatyttatt gstggtaaca 660
amcaggggata cacamgawac tctactctgc atggcctgtg tgtttgaagt ttcaaamgt 720
gaacmcggag cacaacatca tatttacagg ctgttaaagg actgaacatg gttatttata 780
tatatagata tctgtatata cacacacaca tatgtgcaca cacacactct ctctccatta 840
tcgaacgact gactgtaaac ctcaccacac aggggtggtgc cctggccccg aggtcacccc 900
gacttttcta aatcttgttt gagtgaagtc attttttcat gtgttcatac tatcattgta 960
gctgtgaagt tctggtacag ttgtaaaaag agaaattgag ttgtttctct atgttcttca 1020
gatgtgcmgc ccacaattcc tcgggaaagg tgaacctgaa caaccgaagt ctctctctgc 1080
agagccctgt ttctaattgt ggtagaaaat attgagacrg rgcatttgcc atgggacatt 1140
tacagccttt atacaaatgt atttagttct cttttttcca acataaaatt cttgttttaa 1200
gatacaagta aaattaatct ttaaataata atgtaaatta gtacacaaaa ctaagaatct 1260
ttagacttat ctttgtaact aattaggggtg gaagttatga aagaatgtaa ttcactaaat 1320
tattttttaa atgaaacctt tttttttctt tttgaaacca aatgttaaac tatagcctta 1380
agaaatgctt ggtagaagtg tcctaattgag acaaatgtgt acttttatcc tcaagggttaa 1440
cactaatctc ctaatccatt aaactcttga acaggtatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttaa aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg                                     1577

```

&lt;210&gt; 1558

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1558

```

gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtag aggagacaca gcgtgaggta 180
agaccaccgg cggggagggc ctgcacgtgg gccgggtgtc cacacccgat tgggtcttcg 240
gaggggttccc cagcccggga ttctggagga gcccttca                                     278

```

&lt;210&gt; 1559

&lt;211&gt; 751

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

971

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1559

```
ntttgttcc tgcacctggg ttcattcttgt tgtgaagcac attagggtcca ggctccttccc 60
tctgggagtc tgactgtgaa actctttaac ccaacaactc aattagcccc ttagataaag 120
acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tatttaccce 180
cctattgtaa ctattcarat agagcaaaat taggaggctt gataaatact aagaatttag 240
taccacagaa attatttatt attttccctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttgtc ctatgtgggt cttcctaagt 360
aaactctgta ctgattatat actgacttag caatgtggcc ttggaatgct gagcaaaatg 420
tggatgtact ggttgtaaat gtttatatat tgtacagtac ctttatatat acacttgagg 480
ttctgattag agaaagatct gtaaattgct cattattttt tatatagata tttaaaaaaa 540
acagtttatg gcctgcattt ctttnactgt cacattgggt taatgttgct ttctaattgg 600
ggagctaggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaagt cctaaaatca ggaagagtct tataataatg attttacctc tatagggtata 720
cttttattta tttataaata gaggttgaaa t 751
```

&lt;210&gt; 1560

&lt;211&gt; 1938

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1560

```
agcaacctat agatcatgan aggcaacggt nantgacag taccgggtcgg aattccccggg 60
tcgacccacg cgctccrgcg taaccgccac agctgccagc gacaggatgg agagcgactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcgggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtcggag aagaccagcg accaggactt 300
cacacctgag aagaaagcag cggtcggggc gccacggagg ggccctctgg ggggacggaa 360
aaaaaagaag gcgccgtcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcggtcggc gtccctcctc tcctcttctc cctcctcctc 480
cgactccgat gtgtctgtga agaagcctcc gaggggcagg aagccagcgg agaagcctct 540
```

972

```

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgcagac gacgaggtgg accgcatcag tgagtggaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggcccggc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
gcaggagaag gaggagaagg agcggaggcg cgagcggggc gaccgcgggg aggtgagcg 780
gggcagcggc ggcagcagcg gggacgagct cagggaggac gatgagccc tcaagaagcg 840
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gctggagaga gaggccaaga aatcagcgaa gaagccgcag tcctcaagca cagagcccgc 960
caggaaacct ggccagaagg agaagagagt gcggcccag gagaaagcaac aagccaagcc 1020
cgtgaaggtg gagcggaccc ggaagcggtc cgagggttct tcgatggaca ggaaggtaga 1080
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aaccttgcag gtgacctctc agatcctcca gaagaacaca gacgtggtgg ccaccttgaa 1260
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ccggctcaag tcgcgggtcc tcggcccaaa gatcgaggcg gtgcagaaa tgaacaaggc 1380
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cgaggccaca tcacagaagg gggagagcgc agaggacaag gagcacgagg agggtcggga 1560
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tcccgcacct gacaggcctg ggagcgaccg gcaggagcgc gagagggcac ggggggactc 1680
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ctgtgctgtt tgtatttgtt cccttgggtt ttttttctct gcctaatttc tgtgatttcc 1860
aaccaacatg aaatgactat aaayggtttt ttaatgaaaa aaaaaaaaaa aaagggcggc 1920
cgctctagag gatccctc                                     1938

```

&lt;210&gt; 1561

&lt;211&gt; 889

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (886)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1561

```

cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcaactgtccg taaggagggg cccaaccggg gccggcagtt ctttaagtgc 180
aacggagggtg gctgcaactt ctctctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctctctgcyt tggcatatag acccctgggc gcctccctgg gatgccacc aggccagggg 300
atccacctag gtgggttttg caaccctggg gatggcagtg gtagtggcac atcctgcctt 360
tgcagccagc cctccgtcac acggactgtg cagaaggatg gacccaacaa ggggcgccag 420
ttccacacat gtgccaaagg gagagagcag cagtgtgggt ttttccagtg ggctgatgag 480
aacaccgctc cagggacttc tggagccccg tcctggacag gagacagagg aagaacctg 540
gagtcggaag ccagaagcaa aaggccccgg gcaggttcct cagacatggg gtccacagca 600
aagaaacccc ggaaatgcag cytttgccac cagcctggga cacaccgctc ctttttgtcc 660
tcagaacaga tgagctcagg gtagggtaga gaacgccact ttyttcagac ctgtcccctt 720
tgtgtttagg aaatgagttt aaccagggac caagtgggac attttagtgt tcctgggaaa 780
tttaggaggg acagtgtttg ggccttttgg agttgggggg tttctttgtt gttttaaggg 840
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```

973

<210> 1562  
 <211> 1385  
 <212> DNA  
 <213> Homo sapiens

<400> 1562  
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 gaggggagtg ccaaggctga gcggccaggc ctccagaaca tggagctggc gcctgtgcag 120  
 cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gacctgtac 180  
 tttgctgaca cctacctgaa ggacagctcc cggcaactgcc cctcgctgtg ggctggcacc 240  
 aatgggggca ccatctatgc cttctccctg cgtgtgcctc ccgccgagcg gagaatggat 300  
 gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtggtg 360  
 ggcatcctgg tgctcgacgg acacagcgta ccccttcyag agccccctga agtggcccat 420  
 gatctgtcga agagccctga catgcaggga agccaccagc tgctcgctcg atcagaggag 480  
 cagttcaagg tggtcacgct gcccaagggt agtsccaagc tgaagttgaa gctgacggcc 540  
 ctggaggggc caagagtgcg gcgggtcagc gtggcccact tcggcagtcg tcgagccgag 600  
 gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtggtctcg 660  
 ctgccccctg tcaagcccca ggtgcgctac agctgcatcc gccgggagga cgtcatggca 720  
 tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca ccctcggagt 780  
 ttgagcgctt ctctctctcc accaagtggc tgggtggagcc ccggtgtctg gtggattcag 840  
 cagaaaccaa gaaccaccgc cctggtaacg gtgcggggcc caagaaggcc ccgagccgag 900  
 ccaggaaactc agggactcag agtgatggcg aggagaagca gcccggcctg gtgatggagc 960  
 gcgctctgct cagtgatgag agagcggcaa ctggcggttca catcgagcsg ccgtggggtg 1020  
 cagcctcagc aatggcggag agtgagtggc tgagcgtcca ggctgcgcga tgagcacaca 1080  
 ctactactga tggccttttcg ggggtccctg ccccarccgg agaggccggt gcacagggcc 1140  
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 gagagacccc agtccccctg gctgcscctc ccgggcctcg tctgtctggg tcctttgggtc 1260  
 aatgttgac agtttttatt gctcccatcc cttttttagt tgggctgggt tttaagttat 1320  
 aaatgttaac tgcctctggg tgaaaaagtt tttaataaac acctattacc tcttgactgg 1380  
 tcaaa 1385

<210> 1563  
 <211> 862  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (56)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (784)  
 <223> n equals a,t,g, or c



974

&lt;400&gt; 1563

```

cagacctggg atcncacaca cacacacttt cacacacaca cttcacacat cacacnactc 60
ccaccaccgt catgatggag gaattacgta tacattcata ttttgatttg attttkgatt 120
atgaaaatca aaawttttca catttgatta tgaaaatctc caaacatatg cacaagcaga 180
gatcatggta taataaatcc ctttgcaact ccactcagcc ctgacaaccc atccacacac 240
ggccaggcct gtttatctac actgctgccc actcctctct ccagctccac atgctgtacc 300
tggatcattc tgaagcaaat tccgagcatt acatcatttt gtccataaat atttctaaca 360
tccttaaata tacaatcgga attcaagcat ctcccattgt cccacaaatg tttggctggt 420
ttttagattg gattgtttgt attaggattc aagcaaggcc catatattgc atttatttga 480
aatgtctgta agtctctttc catctacaga gtttagcaca tttgaacggt gctggttgaa 540
atcccagagg gtcatttgac atgggtctct gaacttatct ttctataaaa atggtagtta 600
gatctggagg tctgattttg tggcaaaaat acttcctagg tgggtgctggg tacttcttgt 660
tgcacctctg caggaggcag ataatgctgg tgcctctcta ttggtaatgt taagactgct 720
gggtgggttt ggagttcttg gctttaatca ttcattacaa agttcagcat tttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg gcggcagaac 840
aggtgttttt ctaattctgc ta                                     862

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&lt;210&gt; 1564

&lt;211&gt; 3107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1564

```

ggaatgtttc aaaaggatat gatgaactga ggcttatcga gtcagggagc agaaagctga 60
aataagaccg ctaagctcta aacaaatccg ttaaagcttc acagggcaga gcagaacaaa 120
aatagtatac tcaatgtata gtcggaaaagc agccgaagaa gtgaagcgag aactgataaa 180
gttaaaagtg aactattaca ttctagaaga gtcatggtgt gtaagaagat ccaagcctgg 240
ttgcagtatg cctgaaattt gggatgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcacttcacc actgtattcc agaacagtgt 360
ttacaaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
ctacatctgt aatggtttta atgttttgct aagtcatgtg ttgttcatat cccaaaaact 480
tttataggta actgttttca aatagaaaac gttttatttg gtcaatttga atgtcattct 540
aattataaaa atgacttaca cctttatcaa ttggttacta tttcaatgca ccctttaaaa 600
tttgctatgc aaatgagtat atgcttgtag ttgactttta tatttgtagt aaagttagca 660
aagctaactg tataaagaaa acacagtggg ttgtgacaag gatgacatga aaatacagga 720
caattctgac aatgtagggg ctgattttat agtgtaagaa ctattaatgc cccttgsttc 780
ttttttctgc ctcttgctct tgtcttttgg acatttcagt gattgtaagt tcttcggtca 840
tgtagcccc tgtagatcaac ttgagttaca gtagatgggg cagacatgga gtgtttgcta 900
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cttttactat taagatacaa taaaacatga ctaattttgc tgtcaaaaaat gtaaaagaata 1440
atgataaatg gagtttttat attttacttt taagattgcc tgtctttaat aagacaaaagc 1500
cttaagcctt atgtttataat tttggttcta aaaaccatca tttcagtata aggaataagt 1560
atatttcgtc ctctctctta gtttttttct tcctatttat ttttattttg aaaaaattct 1620

```

975

```

acaccttctt tgaattcctt gtatgaattt ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
taaccacagg cagattaacc tcattgtgga ttgtccttca gaccttagtc ctcaggcatg 1860
gtttctggtg cccactcctg gaagccgctg ttccctttct accttcttac cagagcccaa 1920
gggcaggcct ggtcccgggg aagcagcagc ttgctgacat aagtcagctg caaaggctga 1980
ggagtgtgcc ctcagagaag caccgcccc cagtcttggt ccagcgccta gagccgcagc 2040
tcccagggat gctccttccc tggaggcagc ccaggagagg gactctggca gcgttcttca 2100
gatttgtggc cactgtttct catttgctgg ttgactgttt ttatttctta ggcttttgct 2160
agtttttaga aatagggaag cagcccttga tttgtggatt aaaagcaaca tttgagcgat 2220
gatgcacaac agtccaggaa aatgggcggg ggacacttga ggctgaggat gggagttagc 2280
atgagcaggg agagggagggt gcgcgctgct tatctgtgat tgttgctcac ctgagtgtgg 2340
ctgattgtgt acatccagca gttacaattt ttaaaaatta tacttttaca tttattttat 2400
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aggagtattg tatttttatg aattttatgc cagttgttta catgtactat atatgttaaa 3060
ttaaaaaaaaa tcatgagtaa tgaaaaaaaa aaaaaaaaaa aaaaatt 3107

```

&lt;210&gt; 1565

&lt;211&gt; 300

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1565

```

ctcgtgccga attcggcacg agstctctgc aggccccatc gagggaagaa gctgccaaagt 60
ggagccaggt ccggaaagat ctgtgctctt traagggtctc tctgcagctg cgggggggagg 120
atggcagtgat ctggaaactac aaacccccag ccgacagtgg cggnaaagag atcttctccc 180
tgctgccccca catggctgac atgtcaacct acatgttcaa aggcacatc agcttttgcca 240

```

976

aagtcacatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnngc 300

<210> 1566

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 1566

```

ggtgacagct sccagcggca tcctcgatgt caccgtgggtc tacctgaacc cagaacagca 60
ttgctgccag gaatccagtg atgaggagggc ttgtccagag gacaagggac cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaaccctt ggacccaaac ccctgggtccg 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcaccgc 240
aagtcccaca agctccgtgg acggtggctt gggggccctg ccccaaccta cctcagtgtt 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcatgttt 360
acagtgtcgt cccccaagtc ccccgagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

```

<210> 1567

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<400> 1567

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gtggttgcct taatgatgaa cacttgggaag aactgggagg aatactgaaa gcaaaacttg 60
aagggcactt taaaaaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacaggttga gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttatttaagt acttatgaag garaagatgt taccatgggt 240
tgaacaacta cttccattaa ttgtaaatct aatttgtttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

```

977

<210> 1568  
<211> 649  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<400> 1568  
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aaggccctgc ceggaggact ggctgctcta cggaaggaag tgctacttct tttccgagga 120  
accagagac tggaacacag gcaggcagta ctgccacacc cacgaggcgg tgctggctgt 180  
gattcagagc cagaaggagc tggaatttat gttcaagttc acgcggaggg agccctggat 240  
tggactacgc agagttgggg acgaattcca ctgggtcaac ggggaccgt ttgatccgga 300  
cacgttcacc atcgcaggtc caggggagtg tgtcttcgtg gagcccacca ggctgggtgtc 360  
gacggagtgt ctgatgaccc ggccctgggt gtgcagcaag atggcctata cttgargtgg 420  
gtkgggccag angtkgccc cccctargcc tgtgggargt gtctgggtgtc tgctcaagac 480  
ctgcttccag cggacgcgcc tgcctctctc aaggcgaacg ggtgggtgcg tggcctccgc 540  
cccaggcccc tctcccaggc cctggcgctc tgagtccttg gttcctggcc tcctttgtct 600  
gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtgc 649

<210> 1569  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<400> 1569  
cggagccagg cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60  
tgaagagcaa gggccgtgtc acctgcccgg agggcggtct catctctgca gccaggtcag 120  
aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtaggtgg 180  
agagctggct gccagcctgg cctgccctct cttccccgtc ccaccatctc gcttggctcc 240  
ggcacctgcc tgggaagacc cacacctccg tctgcagtgc ctcttcccc tggaggccct 300  
gccctccgct cgggggtcccc gcacccctcc gtggccctca gagcatcgcc tggggcgccc 360  
gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570  
<211> 566  
<212> DNA  
<213> Homo sapiens

978

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (556)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1570

```

gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgatga gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
acaggttcct tcagccactc agctactgat ggaagcgtgg ggtaaatagg ggttcctgag 240
aaaaaggttg ctgagaagca agcaagcaca gaacttgagg ctgcctcttt cctgcargc 300
atgtactctg agcccctgag gcagtttagg gacagctctg taggtgacca gaatgcacag 360
gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgttttagaaa 480
ataccactag atgttttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggaattc ccaagncaag tttgta                                     566

```

&lt;210&gt; 1571

&lt;211&gt; 1657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1571

```

gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaaatg aactttgttt tagttaaggt cagatatgat 120
gtgggttgga tgttttgga catgtttttt cagggttgc atggagggtg tgggggttga 180
gatgggtgtc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagttat tagcagaaga aaaatcaaaa ccatttccaa ttatgccagc cagtccacaa 300
aaaggtcatg ccgtgaacct gctagatgtg ccagttcctg ttgcacgaaa actatctgct 360
cggaacacgc gagattgtga gggtattgaa cgactcatta aatcatatct tctcattgtc 420
agaaagaata ttcaagacag tgtgccaag gcagtaatgc attttttggg taatcatgtg 480
aaagacactc ttcaagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatggtagt aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacatct aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
cagtttcatc tgaacttaac ttaaaaacaa ctgttaatgt tctagtgtg caaagcagtt 960
tgctgtgga taagatgacc tgtgtaataa tctttgttag tagtcttaa gctgctgcca 1020
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ataagctgat ctggccttga aagatgtgag ttggcaagtt cctcacatag agtcattgta 1140
ttccacctgt ccttcaattt agttttttct gagcttcttt gcagcctttg atgtgttttt 1200
aagaaagctg aatgcacaag aggatctgtg aacttgacat ggctgtgggtg tgcatactgt 1260
gtagttacat agcccttcca attctgggtc catttgcact agcaaattaa aatatgcttt 1320
gattcatact taaacctgaa agcaggaatg cctacattaa ttctacatt aaaaacagcc 1380
atctaccctt gattatctag waagacttgg taatgatggg cagttccttt tagatttcag 1440
aaaatcaaat gatgacctaa atttccctta atttgcaaat acagtagtaa ttaaggtaca 1500
tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaaac 1560
cagtgtagctg tatgtatgca ttggtaatag ctacttttgc ttcatagctt cataccaaca 1620

```

979

aaatatatattt attagaatag tatgaaagta ctggagg

1657

&lt;210&gt; 1572

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1572

```

ggcacgagaa ataatcacct ggagtttggt aaaccatatg gattctcagg ctctctctctt 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
cattttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtcctt 180
ttgaatttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggg ttgaagtacg tgtgcccatt cctaaagcct 300
tgactttcag aatgttgtct tttgattctt ctgtcttgat ttgattaggg gtgaaattta 360
gaagtcttag taatgtaact tgaagatggt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaaata ctgagacccc ccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctatatt aaagtttcta atgtgcaccc agggttggga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agcccaatct 660
gtatcaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
aagtccagca tatgtccaaa gagttaagtg tttcatttac tgtagcattc tgggtgagaa 900
attggttgct gaaatcttaa gacagtggtc tcaaccttgg ctgcacattg gaatcacctg 960
tagggtttta aagcatccaa atggtaatta acaggcagca aaacttcaga actagttctg 1020
catctactgt gcaaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
agattaagag ttcaaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

```

&lt;210&gt; 1573

&lt;211&gt; 725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1573

```

gtgctntttt ttnaatgctg gggttaaaca aagtgtctctt cttggactta aagacctttt 60
gtctcaatac ccatttataa ttgatgcaca cttttcaaac atattaagtg aagtgactgc 120
tgtgtttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccatttttt cttttggtaa gtgccatct 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttaa aagttttgga 300
cattctgctg gaacagtacc cagctctaata tactggccgt agcagcatat tgcttaagaa 360

```

980

```

ttttgtagaa cttattttctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtcctgg atacttttctg taaatcctaa tcgggagactc acttctcagc aatggagggt 480
gaaagtctta gtgagactca gtaaattcct tcaggccttg gcagatggat ccagtagggt 540
gagagaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacar gcaaaggyag gtccargtya agstacggat ctggttggag gactgatggg 720
gggat 725

```

&lt;210&gt; 1574

&lt;211&gt; 1135

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1574

```

caaaagcata gagaaattat aaaattcaag aacagatggt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttggtgt gacaccatca cacatcaaag cctacatggt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggtgtgata ttagcagagt tacttctaag gggttccttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatcgcc 660
agggccaaca cctggatgtc agctgccaag accaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaat ccagcttttg caataaaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaattt tttaaagaga acactggaca acattttact actgagggaa 840
atagccaaaa aggcaataaa tggaaaaata gtaaacatta agtaaagtgt gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaaatgt 960
atttttaaatt aaaaatttaa ttctggtttt tctgattaga gtgcaaaagt gagaaaagtt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

```

&lt;210&gt; 1575

&lt;211&gt; 859

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (845)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1575

```

taagatagca aaccagttcg ttttaagtaa gctaaacttg tcattagtat ctgtggctta 60
aaatggcaaa aaagaaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaagtgtc gcaactctaca taaaggaggc aggagttcct 240
ataggctatt taatgtaaga gaaactattt ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaatttttaa 360

```

981

```

ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agagggttaa 600
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttggtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgaggt ggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcca 780
ggtgttacaa ttcttaactt cctccaaatt cgkgtgtcca ttagacattt ggggtacatcc 840
gggcngggga gggtcaggg                                     859

```

&lt;210&gt; 1576

&lt;211&gt; 732

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1576

```

cgggtcgacc cacgcgtccg agaaaaagag ggaggagaga aggaagggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag cccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagtaaa aaaacaaaac aaaaaacaaa aaaaacaaaa aaaaaaccct atttaaata 240
aaggagttta aaaacatttt ttaaggaggg agaaaggaga aattttggtt tttcaacact 300
gaaaaaatac tacctatagg aaagtctgtc aggtttgggt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaagggtc ttgtaaaatc ttgcagtttt gtaagccctc tttaatgctg tctttgtgga 480
ctgtgggtct ggactaacc cgtggttgcc tgccctcctg agcctccgcc ttcccagcag 540
cggcaccaag gggccttagg gagcccaaaa acctaccact cgcgtgttcc ccaagcgct 600
ggctgctgct tcttgcttcc cgtcccccag ccccatgctc cctttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa                                     732

```

&lt;210&gt; 1577

&lt;211&gt; 1636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1588)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1577

```

tcttgtcttg gccggtggtg gccaaccaag tggtgaaact tggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaat gagttaaaag 120
aaatttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtggctcag gcttattatg 240
cccgtgatgc tctggctaaa aacctctaca gcaggttgtt ttcattggtg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaaag tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gcttttagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcatgaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccatgctgga tgaagagtgc ctcagacctg 600

```



982

```

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
atTTtgaaag caggatgagc aagtgtctctc ggTtcctcaa tgacacgtct ctgcctcaca 720
gctgcttcag gatccagcat tatgctggaa aggtgctgta ccaggTggaa ggattcgttg 780
acaaaaacaa tgaccttmtc tatcgagacc tgtcccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atcccgccaa gatcaacctg aaaaggcctc 900
ctacagcagg ctcacagttc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
wgaamccaaa ctatattagg tgtatcaaac cgaatgataa aaaagcagca cacatcttca 1020
acgaggctct agtgtgtcat cagatcaggt acctggggct tttggagaac gtccgagtgc 1080
ggagggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaga taaaaatgc 1140
tttgtaaaca aacatggcct cattggaaag gaccagccag gtctgggtgtg gaggtcctat 1200
ttaatgaatt agaaattccc gtggaagaat actccttttg tagatcaaag atattcatcc 1260
gaaacccaag aacattatct aaattagaag acctgaggaa gcaacgcctg gaggacttgg 1320
ccactctcat tcagaagata tatcggggggT ggaaatgccg cacacacttc ctgctaataga 1380
aaaaaagcca aattgtgatt gccgcctggT acaggagata tgcgcaacaa aagaggTacc 1440
agcagacaaa gagttccgcc ttagtaattc agtcttatat ccggggTtgg aaggctcgaa 1500
aaattctgcg ggaactgaag catcaaaagc gctgtaagga agcagtcacg accattgctg 1560
catattggca tgggacccar gywswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat 1636

```

&lt;210&gt; 1578

&lt;211&gt; 659

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1578

```

gaattcggca cgagaaaaat gacctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggctcacc ctctggtggg ccacgTtgg gcacaacttc cccaactgat 120
gggcccTtgg cttcagctat cctccttgcc gcaatttctt gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggTtact gatgctcatc 240
atcccacttt cctctcaacc tctttatata aaggcctctg gaacaaagag ataaaagggg 300
atttgcTcaa ttccaggga tcacaaccct agttctcaga aaaaggagag gtctataaga 360
gtaaaggTct tagactctga cagacttggg ttgaagTtct ggctcttcta cctattagat 420
gtgtggTgtt ggacaagtta tttatctctt tggggTctca gtttctctat atgaaaaatg 480
ggaataagga ctctcatcc ccaaggTatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gtaaattaaa 600
ttgcttatca tcattaaaac tacctgctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

```

&lt;210&gt; 1579

&lt;211&gt; 1866

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1579

```

gcggaacgct gggaaacaag ctgctaacaa tagtttgctt ttacatcttc ttaaagcca 60
gactatacct aagccaatga atggacacag tcacagtga agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakraata ttcagawaac aaycctagtt ttacagatga 180
cagcagTggT gatgaaagtT cttattccaa ctgtgttccc atagactTgt cttgcaaaca 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatcctt 300
gctaaacact tgggatccaa aagtccaga tgtagatata aaagaagatc aagataccyc 360
aaagaattct aagctaaact cacaccagaa agtaacactt cttcaattgc wacttgGCCa 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccyag ggrgtacaca atgatgtgag 480

```

983

```

caagttcaat acmcaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc cacctttact tacatcaagc aaagcagggt ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaatg gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccaactcaatg gaccttacia aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaaatgcag tcatccatgt cagtgggaaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacagggt ctgaaccagg gctttctggt tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgtcctt ggggaacccc aacaaagggg agagtgaaaa 1080
aaaagagaaa actcccttaa gagatgaaag tactcaggaa cactcagaga gagctttaag 1140
tgaacaaata ctgatggtga aaataaaatc tgagccttgt gatgacttac aaattcctaa 1200
cacaaatgtg cacttgagcc atgatgctaa gagtgcacca ttcttgggta tggctcctgc 1260
tgtgcagaga agcgcacctg ccttaccagt gtccgaagac tttaaatcgg agcctgtttc 1320
acctcaggat ttttctttct ccaagaatgg tctgctaagt cgattgctaa gacaaaatca 1380
agatagttac ctggcagatg attcagacag gagtcacaga aataatgaaa tggcacttct 1440
agaatcaaag aatcttttgca tgggtccctaa gaaaaggaag ctttatactg agccattaga 1500
aaatccattt aaaaagatga aaaacaacat tgttgatgct gcaaacaatc acagtgcccc 1560
agaagtactg tatgggtcct tgcttaacca ggaagagctg aaatttagca gaaatgatct 1620
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cagagagagc aaaagcttta atgttctgaa acagctgctt ctctcagaaa actgtgtgctg 1740
agatttgtcc ccgcacagaa gtaactctgt ggctgacagt aaaaaggaaa ggacacaaaa 1800
ataatgtgac caacagcaaa cctgrattta gctttcttct ttaaattggac tgatgtacag 1860
ttccct

```

&lt;210&gt; 1580

&lt;211&gt; 1496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

984

<221> misc feature  
 <222> (28)  
 <223> n equals a,t,g, or c

<400> 1580

```
annctatata ncatcacaggg aanggtanac tgacagtacg gtcggattcc cgggctcgacc 60
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gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaattt aaatatcctg ctggtcatgg ctcagccagc 240
gaaagtgaac acaggagtgt ggccagagag agcaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaacttgtt gcgagatttg tccccgcaca gaagtaactc tgtggctgac 360
agtaaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagttccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttccctga gcacttgggc 540
tgtgcagggt ctagaccaga atctgggctt ttgaatgggt gttccatgcc cagtgaagaa 600
ggacccatta agtgggttat cactgatgcg gagaagaatg agtatgaaa agactctcca 660
agattgacca aaaccaaccc aatactatat tacatgcttc aaaaaggagg caattctgtt 720
accagtcgag aaacacaaga caaggacatt tggaggagg cttcatctgc tgaaagtgtc 780
tcacaggtca cagccaaaga agagttactt cctactgcag aaacgaaagc ttctttcttt 840
aatttaagaa gcccttaca tagccatatg ggaaataatg cttctcgccc acacagcgca 900
aatggagaag tttatggact tctgggaagc gtgctaacga taaagaaaga atcagaataa 960
aatgtacctg ccatccagtt ttggatcttt ttaaaactaa tgagtatgaa cttgagatct 1020
gtataaataa gagcatgatt tgaaaaaaag catggtataa ttgaaacttt tttcattttg 1080
aaaagtattg gttactggtg atgttgaaat atgcatacta atttttgctt aacattagat 1140
gtcatgagga aactactgaa ctagcaattg gttgtttaac acttctgtat gcgtcagata 1200
acaactgtga gtagcctatg aatgaaattc ttttataaat attaggcata aattaaaaatg 1260
taaaactcca ttcatagttg attaatgcat tttgctgcct ttattagggg actttatttt 1320
gcttttcaga agtcagccta cataacacat ttttaaagtc taaactgtta aacaactctt 1380
taaaggataa ttatccaata aaaaaaaacc tagtgctgat tcacagctta ttatccaatt 1440
caaaaaataa ttagaaaaat atatgcttac atttttcact tttgctaaaa aaaaaa 1496
```

<210> 1581  
 <211> 3898  
 <212> DNA  
 <213> Homo sapiens

<400> 1581

```
cacacttgaa gctgaaaaag aaagaagaaa atctgggcta tcctcaagag ttcagtttcg 60
aaaccaaggt tctgagccca aatatactca agaactaact ctgaagaggc agaaacagaa 120
agtgtgcatg gaggaaaccc tgtggctaca ggataatatc agagataaac tgcgtcccat 180
tcccataact gcctcagtg agatccaaga gccaaagctc cgtaggcgag tgaattcact 240
tccagaagtt cttccaattc tgaattcaga tgaaccaag acagctcata ttgatgttca 300
cttcttaaaa gagggatgtg gagacgacaa tgtatgtaac agcaacctta aactagaata 360
taaattttgc acccgagaag gaaatcmaga caaatttwct tatttacc aa ttcaaaaagg 420
tgtaccagaa ctagtcttaa aagatcagaa ggatattgct ttagaaataa cagtgaacaa 480
cagcccttcc aaccaagga atcccacaaa agatggcgat gaygcccatg aggctaaact 540
gattgcaacg tttccagaca ctttaaccta ttctgcatat agagaactga gggctttccc 600
tgagaaacag ttgagttgtg ttgccaacca gaatggctcg caagctgact gtgagctcgg 660
aaatcctttt aaaagaaatt caaatgtcac tttttatttg gttttaagta caactgaagt 720
cacctttgac accccagatc tggatattaa tctgaagtta gaaacaacaa gcaatcaaga 780
taatttggct ccaattacag ctaaagcaaa agtggttatt gaactgcttt tatcgggtctc 840
```

985

```

gggagttgct aaaccttccc aggtgtatatt tggaggtaca gttgttggcg agcaagctat 900
gaaatctgaa gatgaagtgg gaagtttaat agagtatgaa ttcagggtaa taaacttagg 960
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```

986

<210> 1582  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (445)  
 <223> n equals a,t,g, or c

<400> 1582  
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<210> 1583  
 <211> 1274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1234)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1268)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1273)  
 <223> n equals a,t,g, or c

987

&lt;400&gt; 1583

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aggggggngg ggnt 1274

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&lt;210&gt; 1584

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1584

```

gtcttatttt tagaataatt tagacaagca ggtagaaaaa acaatgcact gtgtggcata 60
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aaaaaaaaaa aaaaaaaaaa

```

&lt;210&gt; 1585

&lt;211&gt; 728

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (663)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1585

988

```

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ttttggat 728

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&lt;210&gt; 1586

&lt;211&gt; 1808

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1586

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989

<210> 1587  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (30)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (201)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (341)  
 <223> n equals a,t,g, or c

<400> 1587  
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 caacaggctg ggtcaca 377

<210> 1588  
 <211> 1486  
 <212> DNA  
 <213> Homo sapiens

<400> 1588  
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 aaaagaatcc agatatggtt gctggggaga aaaggaaatt tgtcatgaaa cctccacaag 780  
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## 990

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acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

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&lt;210&gt; 1589

&lt;211&gt; 998

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1589

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&lt;210&gt; 1590

&lt;211&gt; 2122

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1306)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1590

991

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gcattcagtg ctacatgtgt attttatata aaaatcccat ttcttgaaga taaaaaaatt 1920
gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttccac taaaaaatta 1980
aatgtctttt aagaaacatt cttttccact tgttaaaaaa attaaatata ttttaaagca 2040
ctttaagaat atgaaacttt catatatgtt aaaggattat aatttatgga attaaaaaat 2100
gcagtgtagt ccttaaaaaa aa 2122

```

&lt;210&gt; 1591

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (437)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (480)

&lt;223&gt; n equals a,t,g, or c

992

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1591

```
tttctaatacc tatctgggga gctcctggcc aggataatat atttgcagat aattctggac 60
cagagacttg gtgcgggggtt aacaccttca tccagattgg gtgccagcat acattttctg 120
gtgggcctta acatccctcc tgccttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatcttctca 240
tcttttatct aactatatgt acagctctcc cctcccttgt ccttgaaagt aggatatagc 300
gaaaggcgag tccaggagct caggaagaag agatgcacta tatgtttaca caattaattc 360
atcccttaat ttaagtcatt ttcattgtgt tgagtttgtc ggttgtgaaa tactttgtcc 420
taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtn 480
ggggcaaaact ntgttaaact ggtacaattt tataggtgga aagaaaaaa 529
```

&lt;210&gt; 1592

&lt;211&gt; 1216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1592

```
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gtccacccca gtccctttca gstgctgctt aatgccctgc tctctccctg gccacctta 180
tagagagccc aaagagctcc tgtaagaggg agaactctat ctgtgggtta taatcttgca 240
cgaggcacca gagtctccct gggctcttggtg atgaactaca tttatccctt ttcctgcccc 300
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agccaaggaa attggctctg gtttggaaaa attttgctgt tattatagta aacatacaaa 1200
ggatgtcaaa aaaaaa 1216
```

&lt;210&gt; 1593

&lt;211&gt; 689

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

993

<221> misc feature  
 <222> (565)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (582)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (620)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (649)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (670)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (680)  
 <223> n equals a,t,g, or c

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 gaacttatatt tcctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180  
 ttttcaccag ccttgggtcc ttcatgttaa tttgctctat tcttgggaca caagcatgga 240  
 tcaccagtac aattgctgkt agagactctg cttcaaatgg gagcattttc atcacttacg 300  
 gactttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360  
 agtttgcaagt tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420  
 atcctgttcc tggtcctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480  
 aacagcatca gcaaccctta ccagacattc ctggggccccg acgggggtgt acacctggaa 540  
 cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600  
 ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660  
 agttccgggn cctgtttggn taaaacggt 689

<210> 1594  
 <211> 946  
 <212> DNA  
 <213> Homo sapiens

<400> 1594  
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 ataagaagat attccttttt ttgtcctaga gaacttatatt tcctgtgaaa atgcctacca 120

994

```

caaagaagac attgatgttc ttatcaagct ttttcaccag ccttgggtcc ttcattgtaa 180
tttgctctat tcttgggaca caagcatgga tcaccagtac aattgctgtt agagactctg 240
cttcaaattg gagcattttc atcacttacg gactttttcg tggggagagt agtgaagaat 300
tgagtcacgg acttgcagaa ccaaagaaaa agtttgcagc atccttcgtt tttgtgacca 360
tgatactgtt tgtggcgaac acgcagtcca accaactctc cgaagagttg ttccaaatgc 420
tttaccgggc aaccaccagt aaaggaacga cccacagtta cggatactcg ttctgggtca 480
tactgctcgt cattcttcta aatatagtca ctgtaaccat catcattttc taccagaagg 540
ccagatacca gcggaagcag gagcagagaa agccaatgga atatgctcca agggacggaa 600
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ctgtgtcatg tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946

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&lt;210&gt; 1595

&lt;211&gt; 875

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1595

```

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agaaccattg ctggaagcac taaaaattta tatcagaaaa agacgaccca gcaagcctca 180
catgtttcca aagatcttaa tgaaaatcac agatctccgt agcatcagtg ctaaagggtgc 240
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aatgctggag aattctgaag gacatgaacc cttgacccca agttcaagtg ggaacacagc 360
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actcgtgcaa taagacattt tctagctact tcaaacattc cccagtacct tcagttccag 480
gatttaaaat gcaagaaaaa acattttttac tgctgcttag tttttggact gaaaagatat 540
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taacttacct agaaatacaa actttttcaa ttttaaaaaa tcagccattt catgcaacca 660
gaaactagtt aaaagcttct attttcctct ttgaacactc aagattgcat ggcaaagacc 720
cagtcmaa at grtttaccct tggtttaagt tctgaagact ttgtacatac agaagtatgg 780
ctctgttctt tctatactgt atgtttggtg ctttcctttt gtcttgcata ctcaaaataa 840
ccatgacacc aaggttatga aatagactac tgtag 875

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&lt;210&gt; 1596

&lt;211&gt; 1257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1254)

&lt;223&gt; n equals a,t,g, or c

995

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1256)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1596

```

gccccacgcgt ccgccccacgc gtccgcctgg gtgccagcgc cccagaggtc cccgggacagc 60
ccgaggcgccc gcgccccgcg ccccgagctc cccaagcctt cgagagcggc gcacactccc 120
ggtctccact cgctcttcca acacccgctc gttttggcgg cagctcgtgt cccagagacc 180
gagttgcccc agagaccgag acgcccgcgc tgcgaaggac caatgagagc cccgctgcta 240
ccgcccggcgc cggtggtgct gtcgctcttg atactcggct caggccatta tgctgctgga 300
ttggacctca atgacacctc ctctgggaag cgtgaacctt tttctgggga ccacagtgtc 360
gatggatttg aggttacctc aagaagttag atgtcttcag ggagttagat tccccctgtg 420
agtgaatatgc cttctagtag tgaaccgtcc tcgggagccg actatgacta ctcagaagag 480
tatgataacg aaccacaaat acctggctat attgtcgatg attcagtcag agttgaacag 540
gtagttaagc ccccccaaaa caagacggaa agtgaataa cttcagataa acccaaaaaga 600
aagaaaaagg gaggcaaaaa tggaaaaaat agaagaaaca gaaagaagaa aaatccatgt 660
aatgcagaat ttcaaaattt ctgcattcac ggagaatgca aatatataga gcacctggaa 720
gcagtaacat gcaaagtca gcaagaatat ttcgggtgaac ggtgtgggga aaagtccatg 780
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aatgtacatg ctatagcata actgaagata aaattacagg atatcacatt ggagtcactg 1020
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taaagggtgca cgaaggtaaa agtatTTTT tcaagttgta aataatttat ttaatatTTA 1200
atggaagtgt atttatTTTA cagctcatta aactTTTTTA accaaamara ananana 1257

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&lt;210&gt; 1597

&lt;211&gt; 941

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1597

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gcaccacagc gctccagcct ggtcgacaga gtgagactcc atctcaagaa aataaaaaata 60
aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagtcca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaaac 240
tggcccaact tcatttccat acttcaggga acagcaaatt gaggatttac ttatctagga 300
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cagttaacat ctcagagcta gaacattcca cattccccag cagcgtgtgg gggctgacta 480
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cccacccac caccctactc ctattttattc agcaccacac taccaggga atacttagc 600
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gtatcacttt ttctacattt tggcacaata aataggagta ggggtggggg gtgggggtggg 720
taagggattc agataagcca gaagcagggt gattttwagt tgggaattgta aacttttagtc 780
agccccaca cgctgctggg gaatgtggat gttctagctc tgagatgtta actgrgaaaa 840
gagaagtcaa acaaagccga tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
taataaggag tttcttggtc ttttattaac ttgggtcgac c 941

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996

<210> 1598  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<400> 1598  
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 gtacagtggc cccccgtgaa agacagaatt gtgggttttc tgggtgtcacg cctcccagt 180  
 gtgcaaataa gggctgctgt ttcgacgaca ccgttcgtgg ggtcccctgg tgcttctatc 240  
 ctaataccat cgacgtccct ccagaagagg agtgtgaatt ttagacactt ctgcagggat 300  
 ctgcctgcat cctgacgcgg tgccgtcccc agcacgggtga ttagtcccag agctcggctg 360  
 ccacctccac cggacacctc agacacgctt ctgcagctgt gcctcggctc acaacacaga 420  
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 aaaaaaaaaar aaaagggcgg ccgct 505

<210> 1599  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (7)  
 <223> n equals a,t,g, or c

<400> 1599  
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 gctgccacct ycaccggaca cctcagacac gcttctgcag ctgtgcctcg gctcacaaca 120  
 cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180  
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 aacgcgtgca tgcgaagggtc atagctcttc tatagtgtca 280

<210> 1600  
 <211> 1529  
 <212> DNA  
 <213> Homo sapiens

<400> 1600  
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 tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180  
 gcaagctcta cagatgagtg gctctttggc atttgggtgt gtggcagaat tctcttttgt 240  
 tatagatttg caaacaagac tttcccagca gactgaagct tcagcttttag ctgcagctgc 300  
 ctctgttcag ccacttgcaa cacaatgttt ccaactctct aacatgttta accctcaaac 360  
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 acatggagga gttattcata tttatgttga caaaaattca gctcagggca atgtgtatgt 480  
 gaagtgccca tcaattgctg cagctattgc tgctgtcaat gcattgcatg gcagggtggt 540  
 tgctggtaaa atgataacag cagcatatgt acctcttcca acttaccaca acctgtttcc 600  
 tgattctatg acagcaacac agctactgggt tccaagtaga cgatgaagga agatatagtc 660

997

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ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
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aaataaaaaat gttaacagga atgcagtgtg ctcatctcc ctaaatagta aatcccactg 840
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agtctcttaa aaaggcmaa aaaaaaaaaa 1529

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&lt;210&gt; 1601

&lt;211&gt; 3096

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1601

```

gagagagctc agatggccct ttttaagggg ctccaagaac caacatcact gctcttttag 60
ataaacctct gccctccact ccttgcttga gtgggttaaa ggaactaaca gttgtccctt 120
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cagagcggcc ataagccata aagagtcaat ctcttaatta ttttttcat catgtaaaca 420
agtttcccat ttccctttct tagattgcac cagtgaagga gatgttttgc aaagattcag 480
agaactaatt ttacttgga taagacctga gtaaccaga cccccaccg tggttctttt 540
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998

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ttctgtgagt tccagctagc aggttttaca tctggggaaa ggaaaaccag gggtttttagc 2580
tctgttctct gctcccatcc ttctgtcacc agctgagtga gaacatgaac tttttgcacc 2640
atgtacccat ggcttacct acttagaaaa tcaccttttc agataaaaca gtttatgagt 2700
tcatagagaa caccagcact ctttgacaaa actgtgagt acccttttta aacaatgctg 2760
agcaggccct gagctataat caacggtgag ctttaatgtc tatgctgaca gttaggtttt 2820
gctctctttt gtaacagggt acgtagacca gcagtgttta aatctaaata cgttgtgagt 2880
ctgttatctg tcctatcgcg ttttttaaat gactttttat tctttatcat agctaagtaa 2940
ataccaaaaa aaaaaaaaaa ctttgttaga cacttgtact tagtttgga aaaaaaata 3000
aattgaaatt gttatgcttt tgtatttcca tttcttgcaa ataaatattt tttcttaaat 3060
agtaagatgt tgcccagtct ttataatctt ggtact 3096

```

&lt;210&gt; 1602

&lt;211&gt; 336

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1602

```

gtgctttgtg ctttgtgcat gtggtaggca gaacactacc atatgtcccc acatacttac 60
actagacctt ggagcaagag caagaacagc aaaagcacag cgcttttgaa cccaaaagac 120
aagctccctt ctccctgcgt tgtccctcca gctscctctg ctgaccaggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtcatt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

```

&lt;210&gt; 1603

&lt;211&gt; 1035

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1603

```

gtgcatcggc ttogagtcag caattctgtc taccttcttg tccctgatgc ctataaatTT 60
catctrgtct ttgctgttat gtgggggatac catggacaag arccctctga agttcatarc 120
tctgtcctgt cacaccaaag gtagcatctt tggaaagtct gaggccttgc ctagggagat 180
ggattgtata taccagttg tcacataatg taaggaagag aagggaatgt tgacctttca 240
gcctcagggc aatggcacca gggagtatta tggaaactct taaattcaac ttccaggat 300
tccttgggtg gtaactagac aatgaatata tacaaggctg acatgatggr attctgtcct 360
caggggtact tcggctcctt gtggaagcat ctagctcagg tgtgtcggta ctgagcctgt 420
gtgagaaagg tgatgccatg attatggaag aaacagggaa aatcttcaag aaagaaaagg 480

```

999

```

aatgaagaa aggtaaaaaa aaaaaaatcc ctcactaatt ttccgtttga cccttatttg 540
gtcctatatg tttttatttt tttcactgta atgacgcayc ccaccccagc tctggctgag 600
gtatttggaa atttggwatg gcaagtggga tacaagcagt ttccctaccta atccaaactg 660
atgaaactta agcaagaccc tgaaaaaatc cttctacatt tctgaagggc actaggggctc 720
ccgggagaca gcaaggcagt aggctgatga ttctttcttt acagggtattg cttttyccac 780
cagcatttcg gtaaataact gtgtatgtca cttctcccct ttgaagagcg accaggatta 840
tattctcaag gaagggtgact tggtaaaaaat gtaagggttaa accgttttaa agcatttttc 900
tttttttaaa gcattttacaa aatgccagtt cctaaatgca gtactctgat cttgcctttc 960
agtgccttg ggggtccatgt ggatggcttc atcgctaattg tagctcacac ttttgtgggt 1020
gatgtagctc agggg                                     1035

```

&lt;210&gt; 1604

&lt;211&gt; 2231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1604

```

cccacgcgtc cggcacagac agcacttcca tatgccatga atagcgagtt ctcaagtgtc 60
ttagctgcac agctgaagca tcactctgag aataagggcc tagacaaagt gatggagact 120
caagcccaag tggatgaact gaaaggaatc atggtcagaa acatagatct ggtagctcag 180
cgaggagaaa gatttgaatt attgattgac aaaacagaaa atcttgtgga ttcttctgtc 240
accttcaaaa ctaccagcag aaatcttgtc cgagccatgt gtatgaagaa cctcaagctc 300
actattatca tcatcatcgt atcaattgtg ttcactctata tcattgtttc acctctctgt 360
gggtggattta catggccaag ctgtgtgaag aaataggaaa gaagaagtta ccattaacca 420
aggatatgag agaacaagga gttaaaagca atccatgtga ctcaagcctt tcacatactg 480
acagatggta tctgccagtc tcttcaaccc tcttctcact ttttaaaatc ttgttccatg 540
cctccagggtt tatctttgtc ttatctacca gtttatctct gtgaacttca gattgaacca 600
ttcattgcag cagtagcctt aaaaaggctt ttgtttattt ctttggtttg ttaactagtg 660
tcatctatct agagaaacat ttttgttttt aattgtctca agctgtcgcc gctagtctta 720
tgagctatct actaaaacta tggagaaact ttgtatgtgc acacaaaagt attcaagaga 780
cagtattgct aacatctcat cttaatgtct tttgttattg agaagtttta ggtgcttcaa 840
aacaatataa atggataata gttgttattt ggggaattgt aatgatgttg gtgctgcttc 900
cttctaagag ctacagacaag taaagtatga aacattctta tttcagttag atggggaaca 960
ttttgtctagc ccattagaag cacacagaat tatccttgtc ctccctaatat tgactttcag 1020
gaataaagtt cagtgtgctg atcattcaca atacagtgga tagcttgata tcttctgttt 1080
tcccattgca gttgatttga gaagatgaag gtttaaatat tgttgaaagt tgcagttttt 1140
taaagtgtgt cctttttctt ctgtgaatat ttagggcaat cgtgtcgcta atagaatatg 1200
tagtagaggg ggtggggagg taaattcctc tgacttgcca aagaaaaaga agggaaccac 1260
agtggatatg cttagcatttt agctgtgcaa agggaggtag tgtgggaaaa gtgtttccat 1320
tctgggaaaa gcccaaaccc aatacgggtc gcagtcaact ccagggtttg ggcttgattc 1380
ctgttgaata atagttttga gcattctttg tggttaaata aattctttaa tctgcctagt 1440
tttgatgaat tcttttgtga aacttgaaag agaatagaca gtatgacata tagaattaat 1500
acaaaacagt ttaacaacca tttaactgca gtgtaagaaa attggactgt aatcatatcg 1560
ctactggcat ctgttatcta gtatgcattt ctgggtgtgta tctgaaagga agacattttc 1620
taccctagat ccaattgcat ttatttatca ataagtgcc ttaaattgaa attatattac 1680
attttacact ttctcaatga atgaacaaat tagtctgtag aatctagcca cctgttttagc 1740
ctagtcatgt gccttgaaaca tatatgtgtc ccataatctg gctcatggta cctgtttcttc 1800
tatccaaacc tttcaattca tgctacctga ttcatttatt tgacatagat cttaggcccc 1860
cttgaactct tttcttgttt atctagcata gcacaaacgt ttttccagtc ttctttatca 1920
acactaatgc ctcttaattg catcagtatt tcttattgga aaatacatct gttccagaaa 1980
aacatttggc attcctgaat aatttccaaa tgtttttaat ccaaagaaaa aggttttaag 2040

```

## 1000

```

cttattttccc tttcttatac acacctgaat aaaattgatg tgcattgttt agggatcaat 2100
tacctaactg ttccttggtc ttttatgta taagaatgct ttttaaagca catgtctcat 2160
tttaaattgac gcacaaactg aagatgttaa taaaatttaa gagtaatata atgaaaaaaaa 2220
aaaaaaaaaa a 2231

```

&lt;210&gt; 1605

&lt;211&gt; 679

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (590)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (595)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1605

```

gaattttggc atcaaggaca aaccacactt catcaaaggg attggagctg gagggagcat 60
cactgggctg aagtttaacc ctctcaatac caaccagttt tacgcctcct caatggaggg 120
aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gtcagacac 180
catcaacatc tgggttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
agacaacgtg gggaacgtga tcctgctgaa catggacggc aaagagcttt ggaatctcag 300
aatgcacaaa aagaaagtga cgcattgtggc cctgaaccca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaa cagtgaatat ttgggacctg cgccagggtta gagggaaagc 420
cagcttcctc tactcgtctg cgacacaggc tcctgtcaac gcagcttggt tcagtcccca 480
tggagccccg ctcttgacca cggaccagaa gagcgagatc cgagtttact ctgcttccca 540
gtgggactgc cccctggggc tgatccccga cctcaccgt cacttccagn acctnacacc 600
catcaaggca gcctgggatc ctgctacaa cctcattggt gtgggcccga acccagatcc 660
taatttcaaa agttgtacc 679

```

&lt;210&gt; 1606

&lt;211&gt; 1677

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1668)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1673)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1001

&lt;222&gt; (1676)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1606

```
atccttcaact aagcctgctt tagtttccac cacctgcttc tgcattcttt taatggctcc 60
ttaggtctcc aggaaagcta acagccaggg agaggatcag tctcttgctg gaccctggca 120
gctttkttga gagegacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
ataagaataa gtttcctgga gacagcgtgg tcaactggacg aggccgaatc aatggaagat 240
tggtttatgt cttcagtcag gattttacag tttttggagg cagtctgtca ggagcacatg 300
cccaaaagat ctgcaaaatc atggaccagg ccataacggt ggggggtcca gtgattgggc 360
tgaatgactc tgggggagca cggatccaag aaggagtggg gtctttggct ggctatgcag 420
acatctttct gaggaatggt acggcatccg gagtcatccc tcagatttct ctgatcatgg 480
gcccattgtc tgggtggggcc gtctactccc cagccctaac agacttcacg ttcattgtaa 540
aggacacctc ctacctgttc atcaactggc ctgatgttgt gaagtctgtc accaatgagg 600
atgttaccca ggaggagctc ggtggtgcca agaccacac caccatgtca ggtgtggccc 660
acagagcttt tgaaaatgat gttgatgcct tgtgtaatct ccgggatttc ttcaactacc 720
tgcccttgag cagtcaggac ccggtccccg tccgtgagtg ccacgatccc agtgaccgtc 780
tggttcctga gcttgacaca attgtccctt tggaatcaac caaagcctac aacatggtgg 840
acatcataca ctctgttggt gatgagcgtg aattttttga gatcatgccc aattatgcca 900
agaacatcat tgttggtttt gcaagaatga atgggaggac tgttgaatt gttggcaacc 960
aacctaaggt ggcctcagga tgcttggaata ttaattcatc tgtgaaaggg gctcgttttg 1020
tcagattctg tgatgcattc aatattccac tcatcacttt tgttgatgtc cctggctttc 1080
tacctggcac agcacaggaa tacgggggca tcatccggca tggtgccaag cttctctacg 1140
catttgctga ggcaactgta cccaaagtca cagtcatcac caggaaggcc tatggagggtg 1200
cctatgatgt catgagctct aagcaccttt gtggtgatac caactatgcc tggcccaccg 1260
cagagattgc agtcatggga gcaaaggcg ctgtggagat catcttcaa gggcatgaga 1320
atgtggaagc tgctcaggca gagtacatcg agaagtttgc caaccctttc cctgcagcag 1380
tgcgagggtt tgtggatgac atcatccaac cttcttccac acgtgcccga atctgctgtg 1440
acctggatgt cttggccagc aagaaggtag aacgtccttg gagaaaacat gcaaatattc 1500
cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg ccatttcaca 1560
tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaaagat caaaaaaaaaa aaaaaaanaa aanaana 1677
```

&lt;210&gt; 1607

&lt;211&gt; 1209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1156)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1607

```
gctgggaagg accggtgtgc taggagatga tgggggaaag catagtcccc tgtctgtggc 60
accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120
```

## 1002

```

ggctgtgggc catagcctct gtctgttttc actgcaggac caggcacgaa agttaaaca 180
aaatgaagat tttttctgaa tctcataaaa cagtgtttgt tgtggatcac tgcccttata 240
tggcagaatc ttgcaggcag catgtcgagt ttgatatgct ggtgaagaat agaaccaca 300
gaatcattcc tttggcccc atattctaat cattgtggac tkgctcagta gaatcttcca 360
kggaatattg tagaataatg tatgatatat ttcttttcaa aaagctggtg aattttattg 420
tgagtgactc tggagcacat gtttttaaatt cttggactca agaagacca aattttacagg 480
agctaattggc agcattagcc gctgktgggc ctctaattcc tcgggcagat ccagagtgtc 540
gcagtattct gcatggcctt gttgcagcag tggaaactct ctgcaaaatt actgaatacc 600
aacatgaggc tcgtactcta ctcatggaga atgcagaacg tgttggaat agaggacgaa 660
taatctgtat tactaatgca aaaagtgata gtcattgtgc aatgcttgaa gactgtgtcc 720
aggaaacgat tcatgaacat aacaagcttg ctgcaaatcc agatcatctc atgcagattc 780
aaaaatgtga gttggtcttg atccacacct acccagttgg tgaagacagc cttgtatctg 840
atcgttctaa aaaagagttg tccccggtt taaccagtga agttcatagt gttcgtgcag 900
gacggcatct tgctaccaa ttgaatatt tagtacagca acattttgac ttggcttcaa 960
ctactattac aaatattcca atgaaggaag aacagcatgc taacacatct gccaattatg 1020
atgtggagct acttcacac aaagatgcac atgtagattt cctgaaaagt ggtgattcgc 1080
atctaggtgg cggcagtcga gaaggctcgt ttaaagaaac aataacatta aagtgggtga 1140
caccaagggn caaatnaaca ttgtgttttc ttctatttca ggaattacac tattgtactg 1200
gggtttat 1209

```

&lt;210&gt; 1608

&lt;211&gt; 2608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1608

```

cgnccacgc gtccgcagca gggccaacag tcacagcagc cctgaccaga gcattcctgg 60
agctcaagct cctctacaaa gaggtggaca gagaagacag cagagaccat gggaccccc 120
tcagccccct cctgcagatt gcatgtcccc tggaggagg tctgtctcac agcctcactt 180
ctaacccttct ggaacccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggagg tcttctactc gccacaacc tgccccagaa tcgtattggt 300
tacagctggg acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
ggaactcaac aagctacccc agggcccgca tacagtgggc gagagacaat ataccccaat 420
gcatccctgc tgatccagaa cgtcacccag aatgacacag gattctatac cctacaagtc 480
ataaagtcag atcttgtgaa tgaagaarca accggacagt tccatgtata cccggagctg 540
cccaagccct ccatctycag caacaactcc aaccccgagg aggacaagga tgctgtggcc 600
ttcacctgtg aacctgaggy tcagaacaca acctacctgt ggtgggtaaa tggtcagagc 660
ctccccggtc gtcccaggct gcagctgtcc aatggcaaca tgaccctcac tctactcagc 720
gtcaaaagga acgatgcagg atcctatgaa tgtgaaatac agaaccagc gagtggcaac 780
cgcagtgacc cagtcacccct gaatgtcctc tatggccagc atggccccc catttcccc 840
tcaaaggcca attaccgtcc aggggaaaat ctgaacctct cctgccacgc agcctctaac 900

```

## 1003

```

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
tttatcccca acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca 1020
gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
ctctcagctg tggccaccgt cggcatcacg attggagtgc tggccagggg ggctctgata 1140
tagcagccct ggtgtatttt cgatatttca ggaagactgg cagattggac cagaccctga 1200
attcttctag ctctctcaat cccattttat cccatggaac cactaaaaac aagggtctgct 1260
ctgctcctga agccctatat gctggagatg gacaactcaa tgaaaattta aagggaatac 1320
cctcaggcct gaggtgtgtg cactcagag acttcaccta actagagaca ggcaaactgc 1380
aaaccatggg gagaaattga cgacttcaca ctatggacag cttttcccaa gatgtcaaaa 1440
caagactcct catcatgata aggtctttac ccccttttaa tttgtccttg cttatgcctg 1500
cctctttcgc ttggcaggat gatgctgtca ttagtatttc acaagaagta gcttcagagg 1560
gtaacttaac agagtatcag atctatcttg tcaatcccaa cgttttacat aaaataagag 1620
atccttttagt gcaccagtg actgacatta gcagcatctt taacacagcc gtgtgttcaa 1680
atgtacagtg gtctttttca gagttggact tctagactca cctgttctca ctccctgttt 1740
taattcaacc cagccatgca atgccaaata atagaattgc tccctaccag ctgaacaggg 1800
aggagtctgt gcagtttctg acacttggtg ttgaacatgg ctaaaataca tgggtatcgc 1860
tgagactaag ttgtagaaat taacaaatgt gctgcttggt taaaatggct acactcatct 1920
gactcattct ttattctatt ttagttgggt tgtatcttgc ctaagggtgc tagtccaact 1980
cttggtatta ccctccta atgtcatacta gtagtcatac tccctgggtg agtgtattct 2040
ctaaaagctt taaatgtctg catgcagcca gccatcaaat agtgaatggg ctctcttttg 2100
ctggaattac aaaactcaga gaaatgtgtc atcaggagaa catcataacc catgaaggat 2160
aaaagcccca aatggttggt actgataata gcaactatgc ttttaagattt gggtcacactc 2220
tcacctaggg gagcgcatg agccagtggg gctaaatgct acatactcca actgaaatgt 2280
taagggaaga gatagatcca attaaaaaaa attaaaacca atttaaaaaa aaaaagaaca 2340
caggagattc cagtctactt gagtttagcat aatacagaag tccctcttac ttttaactttt 2400
acaaaaaagt aacctgaact aatctgatgt taaccaatgt atttatttct gtggttctgt 2460
ttccttggtc caatttgaca aaaccactg ttcttgattt gtattgccc a gggggagcta 2520
tactgtact ttagagtgg tgctgcttta attcataaat cacaaataaa agccaattag 2580
ctctataaaa aaaaaaaaaa aaaaaaaa 2608

```

&lt;210&gt; 1609

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1609

```

ggacccagtt tctgaggaag gagaaggcct cagctgccan gatcagtncc acagagaccc 60
tctcggaaga ggagcaggaa gagctaagaa gagaacttgc aaaggtagaa gaagaaatcc 120
agatgctgca agcgagggtcc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttattttagct ttacatattc ctttgaccaa atagtttgtg gggttaacaa 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttctc 300

```

## 1004

```

ttattttagga aacaccatta taaaaacact tatagtaa at ggggacattc actataatga 360
tctaagaagc tacagattgt catagtgtgt ttcctgcttt acaaaattgc tccagatctg 420
gaatgccagt ttgacctttg tcttctataa tatttccttt ttttccccctc tttgaatctc 480
tgtatatattg attcttaact aaaattgttc tcttaa at tctgaatcct ggtaattaaa 540
agtttgggtg tattttcttt acctccaagg aaagaactac tagctacaaa aaatattttg 600
gaataagcat tgttttggtg taagggtacat attttgggtg aagacaccag actgaagtaa 660
acagctgtgc atccaattta ttatagtttt gtaagtaaca atatgtaatc aaacttctag 720
gtgacttgag agtggaacct cctatatcat tatttagcac cgtttgtgac agtaaccatt 780
tcagtgtatt gtttattata ccacttatat caacttattt ttcaccagggt taaaatttta 840
atttctacaa aataacattc tgaatcaagc aactgtatg ttcagtaggt tgaactatga 900
aactgtcat caatgttcag ttcaaaagcc tgaaagttaa gatctagaag ctggtaaaaa 960
tgacaatatc aatcacatta ggggaacct tgttgtcttc acttaatcca tttagcacta 1020
tttaaaataa gcacaccaag ttatatgact aatataactt gaaaattttt tatactgagg 1080
ggttggtgat aactcttgag gatgtaatgc attaataaaa atcaactcat cattttctac 1140
ttgttttcaa tgtgttgga actgtaaa at gatactgtag aacctgtctc ctactttgaa 1200
aactgaatgt cagggtgag tgaatcaaag tgtctagaca tatttgcata gaggccaagg 1260
tattctattc taataactgc ttactcaaca ctaccacctt ttccttatac tgtatatgat 1320
tatggcctac aatgttgtat ttgttattta ttaaattgtg attgttttat tattgtttat 1380
gccaaatgtt aactgccaa cttggagtga cctaaagcat tttttaaag catggctaga 1440
tttacttcag tataaattat cttatgaaaa ccaaatttta aaagccacag gtgttgattg 1500
ttataaaaata acatgctgcc attcttgatt gctagagttt ttgttagtac tttggatgca 1560
attaaaacta tgtgctatca catgtgaaaa gcttaataaa ttccatctat cagtagtata 1620
ggtctcaata tttattatga gaccagtggg ctggaaacag cttgttgtac cgaatcaact 1680
ggagtctatg cttaaaaaaa aaaaattttt ttttaaccat ctttaaatta ttgcttaatg 1740
gtatcatatt aacatattct aaataagggc ttaagggcac aggctgttga agcattttct 1800
cagaggagtg gatctgtaga agtctgtctt tctatagaaa tattgtgctt actcaagtgt 1860
taaattattt tttctatgaa ctagtctact tcttaaaatt caaacatatt cttttgatca 1920
cattgtttct tgagcatcct gcctgmyac taacttttca acaaggcaaa atggagtaaa 1980
rwggcaaytt ctttaratga gtgaaaaaaa aaa 2013

```

&lt;210&gt; 1610

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1610

```

ggcagagcgc cgacgcagac cctctctgc acgccagccc gcccgacccc accatggcca 60
cagttcagca gctggaagga agatggcgcc tgggtggacag caaaggcttt gatgaataga 120
tgaaggagct aggagtggga atagctttgc gaaaaatggg cgcaatggcc aagccctgag 180
atttccttca tactgggcca ggaatttgac gaagtcactg cagatgacag gaaagtcaag 240
agcaccataa ccttagatgg ggggtgtcctg gtacatgtgc agaaatggga tggaaaatca 300
accaccataa agagaaaacg agaggatgat aaactggtgg tggaatgcgt catgaaaggc 360
gtcacttcca cgagagttta tgagagagca taagccaagg gacgttgacc tggactgaag 420
ttcgcatgta actctacaac attctgtggg atatatgttt caaaaagata ttgttgtttt 480
ccatgattta gcaagcaact aattttctcc caagctgatt ttattcaata tggttacgtt 540
ggttaaataa acttttttta gatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaa 604

```

&lt;210&gt; 1611

&lt;211&gt; 979

&lt;212&gt; DNA

1005

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1611

```
caggggaacca ttgctggaca aggcacagga gccacctcca tttctgagct ctgcaaggga 60
caagaactag agccatcagg ggctgggctc actgtggccc caccccaagc cgtcagcctc 120
cagggatcta caccctgcct tggctgctac agctttttca ctccactgcc ctaggggagt 180
tcagcaacct aatgatctct atctctgaac atctcttcat cccatgctcc aagtccagca 240
acctgcaccc tggaaccagg agnggaccct acccaggctg ttcttgaact cctgacctca 300
ggngctccgc ctgcgctggc ttcccggggt gctgggatac aggagtgagc cactgcgcct 360
ggctgatccc agcacttttc aaatgatgcc gctcaaagcc gtgacttggc ctactttgaa 420
cagcaaactt gttgctgctg ttgtcaacct gaaggcctct caaatgccag cttcaagcag 480
ggtgtgaatt ggccagtgtc agatctcagg agtccctgtg tgagagtgtg gctttcagct 540
gcggggagct gcacttgggt gggaaagcca ggcaggtcac cctcacagcc agataatgtg 600
gaggtcagaa cccaaggaag ggagtgaac ctccactccc agtgggggac ctggccaccc 660
atccttgggg acctgagaaa gcgtacttca ccttgggggt aaggctgggt ggggccagag 720
ggaccagtgc cctcctcagt gcttaggggc agagccacct gcagcaatgg tatctgcata 780
ttagccctc tccaccttct ttctcccgct gaatcatttc cttcaaagcc caagagctgt 840
cactgcttct ttctccctgg gaagaatgcg tggactctgc ctggtgatag actgaagcca 900
gaacagtgcc acaccctcgc cttaattcct tgctaggtgt tctcagattt atgagacttc 960
ttagtcaaat atgaaggga                                     979
```

&lt;210&gt; 1612

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1612

```
gaacatagtt ctttccaaca tgtaaggctc gattcatgtg aaataaatcc tttgcaacat 60
cttcttcaca tgaatcagac ctaacatagt tctttccaac atgtaaggta aatacattga 120
ttaactttct cttttccaaa attaggttta aggatttatt tcacaaattt taaaggrgat 180
atgagtaaaa gtttttatct tttcttgact ttttctcctg aacacttatg tcttagcaag 240
tggtcaacat gaggatttga acgcctaatt gtttgtaaat ggttgaggca tgacaaaaat 300
attaatatcc actgtttacc atcatgttat ttgaaacaaa agtgaccatg tatactatct 360
tgcttgaaga agtctttgac agaaaaagca atatcatgtc atttataaat tttcttgttc 420
taaagaaaagc agttatatat atatataaat tatgtaaata aaagttattt tatatcaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaa                                     504
```

&lt;210&gt; 1613

&lt;211&gt; 1650

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



1006

&lt;400&gt; 1613

```

gagtacggca gcccgctcgt catcagcgtc agcaaaggca gccctgacgg cagccacccg 60
gtggtggtgg cgcctacaa cggcggggccg ccgcgcacgt gcccgaagat caagcaggag 120
gcggtctctt cgtgcaccca cttgggcgct ggacccccctc tcagcaatgg ccaccggccg 180
gctgcacacg acttccccct ggggcggcag ctccccagca ggactacccc gaccctgggt 240
cttgaggaag tgetgagcag cagggaactgt caccctgccc tgcgccttc tcccggttc 300
catccccacc cggggcccaa ttaccatcc ttctgccc atcagatgca gccgaagtc 360
ccgcgcctcc attaccaaga gctcatgcca cccggttct gcattgccaga ggagcccaag 420
ccaaagaggg gaagacgac gtggccccgg aaaaggaccg ccaccacac ttgtgattac 480
gcgggctgcg gcaaaccta cacaagagt tcccatctca aggcacacct gcgaacccac 540
acaggtgaga aaccttacca ctgtgactgg gacggtgtg gatggaaatt cgcgcgtca 600
gatgaactga ccaggcacta ccgtaaacac acggggcacc gcccgttcca gtgcaaaaaa 660
tgcgaccgag cattttccag gtcggaccac ctgccttac acatgaagag gcatttttaa 720
atcccagaca gtggatatga cccacactgc cagaagagaa ttcagtattt ttacttttc 780
acactgtctt cccgatgagg gaaggagccc agccagaaag cactacaatc atggtcaagt 840
tcccactga gtcattctgt gactggataa tcaggaaaaa tgaggaatcc aaaagacaaa 900
aatcaaagaa cagatggggt ctgtgactgg atcttctatc attccaattc taaatccgac 960
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atgcaatata agcataaaa atcaccttgt attctcttta ccttctaaaa gccattatta 1140
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attttgcata ctcaaggtga gaattaagtt ttaataaac ctataatatt ttatctgaaa 1620
aaaaaaaaaa aaaggcgccg cgctcgcgac 1650

```

&lt;210&gt; 1614

&lt;211&gt; 987

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1614

```

gctcgtgccg aattcggcac gactcggcac gaggtccaag ggggtgtgtg ttcacgggaa 60
tgctgagtac cagcccgggt ctccagttta ttctccaag tgccaggact gcgtgtgcac 120
ggacaagggt gacaacaaca ccctgctcaa cgtcatcgcc tgcacccacg tgccctgcaa 180
cacctcctgc agccctgggt tcgaactcat ggaggcccc ggggagtgt gtaagaagt 240
tgaacagacg cactgtatca tcaaacggcc cgacaaccag cacgtcatcc tgaagcccg 300
ggacttcaag agcgacccga agaacaactg cacattcttc agctgcgtga agatccacaa 360
ccagctcatc tcgtccgtct ccaacatcac ctgccccaac tttgatgcca gcatttgcac 420
cccgggctcc atcacattca tgcccaatgg atgctgcaag acctgcaccc ctgcgaatga 480
gaccaggggt ccctgctcca ccgtccccgt caccacggag gtttcgtacg ccggtgcac 540
caagaccgtc ctcatgaatc attgctccgg gtccctgcgg acatttgtca tgtactcggc 600
caaggcccag gccctggacc acagctgctc ctgctgcaaa gaggagaaaa ccagccagcg 660
tgaggtggtc ctgagctgcc ccaatggcgg ctgcgtgaca cacacctaca cccacatcga 720
gagctgccag tgccaggaca ccgtctgcgg gctccccacc ggcacctccc gccgggcccc 780
gcgtccccct aggcattctg ggagcgggtg agcggggtg gcacagcccc cttcactgcc 840

```

## 1007

```

ctcgacagct ttacctcccc cggaccctct gagcctccta agctcgggctt cctctcttca 900
gatattttatt gtctgagtct ttgttcagtc cttgctttcc aataataaac tcagggggac 960
atgcaaaaaa aaaaaaaaaa aaaaaaa 987

```

&lt;210&gt; 1615

&lt;211&gt; 1487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1615

```

gcttgtcatg agaaggtggt aaatatccaa aaagaccccg gtgaatctct cggcatgacc 60
gtcgcagggg gagcatcaca tagaraatgg gatttgccta tctatgtcat cagtgttgag 120
cccggaggag tcataagcag agatggaaga ataaaaacag gtgacatttt gttgaatgtg 180
gatggggctg aactgacaga ggtcagcccg agtgaggcag tggcattatt gaaaagaaca 240
tcatectcga tagtactcaa agcttttgaa gtcaaagagt atgagcccca ggaagactgc 300
agcagcccag cagccctgga ctccaaccac aacatggccc caccagtga ctgggtcccca 360
tcctgggtca tgtggctgga attaccacgg tgcattgtata actgtaaaga tattgtatta 420
cgaagaaaca cagctggaag tctgggcttc tgcattgtag gaggttatga agaatacaat 480
ggaaacaaac cttttttcat caaatccatt gttgaaggaa caccagcata caatgatgga 540
agaattagat gtggtgatat tcttcttgct gtcaatggta gaagtacatc aggaatgata 600
catgcttgct tggcaagact gctgaaagaa cttaaaggaa gaattactct aactattggt 660
tcttggcctg gcactttttt atagaatcaa tgatgggtca gaggaaaaca gaaaaatcac 720
aaataggcta agaagttgaa acactatatt tatcttgtca gttttttatat ttaaagaaag 780
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cattgctgag aaacgttgct ttcacaaac aagaataaat atttttcaga agttatagtt 1140
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ctccaccagt gggccttgga aaatgcatca agaaggccaa accagcttga ccctggctya 1440
cagacatggg catgaggcga tttaaatttg tgctctgccg ctctgcc 1487

```

&lt;210&gt; 1616

&lt;211&gt; 713

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1616

```

acacccaata atcagtcatg tgtaatatgc acaagtttgt ttttgttttt gttttttttg 60
ttggttgggt tggtttttttg ctttaagttg catgatcttt ctgcaggaaa tagtactca 120
tcccactcca cataaggggt ttagtaagag aagtctgtct gtctgatgat ggataggggg 180
caaatctttt tcccckytct gttaatagtc atcacatttc tatgccaaac aggaacratc 240
cataacttta gtyttaatgt acacattgca ttttgataaa attaatattg ttgtttcctt 300
tgaggttgat cgttgtgttg ttgttttgct gcacttttta ctttttttgcg tgtggagctg 360
tattcccagag accaacgaag cgttgggata cttcattaaa tgtagcgact gtcaacacgcg 420
tgcagggttt ctgtttctgt gttgtggggg caaccgtaca atgggtgtggg agtgacgatg 480
atgtgaatat ttagaatgta ccatattttt tgtaaattat ttatgttttt ctaaacaat 540

```

## 1008

ttatcgtata ggttgatgaa acgtcatgtg ttttgccaaa gactgtaaat atttatztat 600  
gtgttcacat ggtcaaaatt tcaccactga aaccctgcac ttagctagaa cctcattttt 660  
aaagattaac aacaggaaat aaattgtaaa aaaggttttc tataaaaaaa aaa 713

<210> 1617

<211> 3522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3508)

<223> n equals a,t,g, or c

<400> 1617

agtccggaat tcccgggttt gntgacgcgt ccgcagcaag gtgcctcgct gtgtcaacac 60  
tcagcctggc ttccactgcc tgccctgccc gccccgatac agagggaacc agcccgtcgg 120  
ggtcggcctg gaagcagcca agacggaaaa gcaagtgtgt gagcccgaaa acccatgcaa 180  
ggacaagaca cacaactgcc acaagcacgc ggagtgcac tacctgggyc acttcagcga 240  
ccccatgtac aagtgcgagt gccagacagg ctacgcgggc gacgggctca tctgcgggga 300  
ggactcggac ctggacgggt ggcccaacct caatctggtc tgcgccacca acgccaccta 360  
ccactgcac aaggataact gccccatct gccaaattct gggcaggaag actttgacaa 420  
ggacgggatt ggcgatgcct gtgatgatga cgatgacaat gacgggtgtga ccgatgagaa 480  
ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540  
ggaccgctgt gacaactgcc cttacgtgca caacctgcc cagatcgaca cagacaacaa 600  
tggagagggg gacgcctgct ccgtggacat tgatggggac gatgtcttca atgaacgaga 660  
caattgtccc tacgtctaca aactgacca gagggacacg gatggtgacg gtgtggggga 720  
tactgtgac aactgcccc tggtgcacaa ccctgaccag accgacgtgg acaatgacct 780  
tgttggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840  
ggacaactgc ccctacatct ccaacgccaa ccaggctgac catgacagag acggccaggg 900  
cgacgcctgt gacctgatg atgacaacga tggcgctccc gatgacaggg acaactgccg 960  
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agatgatatt gacaatgaca acatcccaga tattgatgat gtgtgtcctg aaaacaatgc 1080  
catcagtgag acagacttca ggaacttcca gatggtcccc ttggatccca aaggggaccac 1140  
ccaaattgat ccaactggg tcattcgcca tcaaggcaag gagctgggtc agacagccaa 1200  
ctcggacccc ggcacgcgtg taggttttga cgagtttggg tctgtggact tcagtggcac 1260

## 1009

```

attctacgta aacactgacc gggacgacga ctatgccggc ttcgtctttg gttaccagtc 1320
aagcagccgc ttctatgtgg tgatgtggaa gcaggtgacg cagacctact gggaggacca 1380
gcccacgcgg gcctatggct actccggcgt gtcctcaag gtggtgaact ccaccacggg 1440
gacgggcgag cacctgagga acgcgctgtg gcacacgggg aacacgccgg ggcaggtgcg 1500
aaccttatgg cagcaccaca ggaacattgg ctggaaggac tacacggcct ataggtggca 1560
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catggcagac tcaggaccta tctatgacca aacctacgct ggcgggcggc tgggtctatt 1680
tgtcttctct caagaaatgg tctatttctc agacctcaag tacgaatgca gagatattta 1740
aacaagatgt gctgcatttc cggcaatgcc ctgtgcatgc catggtccct agacacctca 1800
gttcattgtg gtccttgtgg ctctctctct tagcagcacc tcctgtccct tgaccttaac 1860
tctgatgggt cttcacctcc tgccagcaac cccaaaccca agtgccttca gaggataaat 1920
atcaatggaa ckcagagatg aacatctaac ccactagagg aaaccagttt ggtgatatat 1980
gagactttat gtggagtga aattgggcat gccattacat tgcttttctc tgtttgttta 2040
aaaagaatga cgtttacata taaaatgtaa ttacttattg tatttatgtg tataatggagt 2100
tgaagggaat actgtgcata agccattatg ataaattaag catgaaaaat attgctgaac 2160
tacttttggg gcttaaagtt gtcactattc ttgaattaga gttgctctac aatgacacac 2220
aaatcccgtt aaataaatta taaacaaggg tcaattcaaa tttgaagtaa tgttttagta 2280
aggagagatt agaagacaac aggcatagca aatgacataa gctaccgatt aactaatcgg 2340
aacatgtaaa acagttacaa aaataaacga actctcctct tgctctacaa tgaaagccct 2400
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catttcatta aggttccagt tataaatatt ttgttaatat ttattaagtg actatagaat 2760
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ttctagaaac aaacatctaa taagtatata atcctgtgaa aatatgaggc ttgataatat 2880
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gactgtcaac agcaaaaaaa gancttnnaa aataataagg aa 3522

```

&lt;210&gt; 1618

&lt;211&gt; 902

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1618

```

ggccaaccat cagtattttc cccccacaac atgtgtaaca cttttcagtc tgtggatata 60
tgatacatta agatttcttt ttataagtat tcattttgaa tgtgcatata gttatttgac 120
cccttccaaa tacttgtagc caaacattgg ctagaacatc ccaagatatg ctgacactgt 180
cctgttagct tcatattata cttgctagtt taggtctcta tagaagccct atataattta 240
gaatatgccc actgaatata tttaatagaa agtaacataa agctagtatt caatgtagag 300
tattttcata tgtttttcac agcccgttac aaattggcaa tgttttggtta atgtttgtat 360

```

## 1010

```

tacttggaaa tcgctacagc ttggactatt tttttctaaa tttttagcat tagtccat 420
ctgctgctaa caattgaatc cagaaatcta ctttctccat cttccactgt tagtgccagt 480
gagcaatact gttgtgcaac aaaaatgtca ctttatctca gtgtgaatga gtagtctaaa 540
ttccctttct accattgatt taaatatata tattggtaag agagactgcc catgtgttta 600
gaatagaatt ttttaaatga aatgatcaac aggtggaatt tgaaatatat tcttctacaa 660
aagagatttc tttccctttt atattttgat gattgttttc ttaagattaa gatattgtct 720
tgctctttta taagattatt taaattatgt ttccctctga ttttttttca ccattgtatt 780
tactaagtta ttggatttac atgaaatctg gcacttttagg gtgttctttt tctcacagag 840
tatatttaat aaaaatgctg tgtatatara aaaaaaaaaa aaaaaaaaaa agggcgggcg 900
ct 902

```

&lt;210&gt; 1619

&lt;211&gt; 1158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1108)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1145)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1619

```

tcgacccacg cgtccgagcc gagactgcga aggagaacgc agcaagccca ggcgggcggtg 60
gaaaggctgg aggacacacc taaacatgtg gaatcccaat gccgggcagc cagggccaaa 120
tccatatecc cccaatattg ggtgccctgg aggttccaat cctgcccacc caccacctat 180
taatccaccc tttccccccag gccctgtcc tcttccccca ggagctcccc atggcaatcc 240
agctttcccc ccagggtggc cccctcatcc tgtgccacag ccagggtatc caggatgcca 300
accgttgggt cctaccctc ctccataccc accgcctgcc cctggaatcc ctctgtgaa 360
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aatgaagaaa gctcataaaa agatgcacaa gcaccaaag caccacaagt accacaagca 480
tggcaagcat tctctctctt cctcctctc ttccagcagt gattctgact gaatacaggc 540
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1011

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1158

&lt;210&gt; 1620

&lt;211&gt; 2260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1620

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&lt;210&gt; 1621

&lt;211&gt; 1077

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1012

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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1013

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<220>  
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 <223> n equals a,t,g, or c

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1014

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 <211> 1258  
 <212> DNA  
 <213> Homo sapiens

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<210> 1624  
 <211> 2469  
 <212> DNA  
 <213> Homo sapiens

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1015

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&lt;210&gt; 1625

&lt;211&gt; 1281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1224)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1625

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## 1016

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&lt;210&gt; 1626

&lt;211&gt; 1355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1626

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agaattgttt ttgaatttaa ataaagttac ttgaatttca aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa                                     1355

```

&lt;210&gt; 1627

&lt;211&gt; 1188

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1017

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (1178)  
<223> n equals a,t,g, or c

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<210> 1628  
<211> 1389  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

1018

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1628

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aaaaaaaaag                                     1389

```

&lt;210&gt; 1629

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1629

```

atgggagaagg tccaggacac gtgggtgggg gaagctgagc gctgagacca agggctaaag 60
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ctggtgtacc aggggtctaa tcaggcctgt gtctgcctcc ttcttgaata gccagtgaa 180
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gaccagtgtt gtctccccgg acattgacac agcagccaag tttattgggtg ctggggcagc 300
cacagttggt gtggctggtt caggggctgg cattggaacc gtgtttggca gcttgatcat 360
tggtctatgcc aggaaccctg ctctcaagca gcagctcttc tcctatgcca ttcttggctt 420
tgccctgtct gaggccatgg ggcttttctg tttgatggtc gccttccctc tctcttctgc 480
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gtgctggggg gtgttaagct ttaccattaa acacaacgtt tctctaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa a                                     621

```

&lt;210&gt; 1630

&lt;211&gt; 1158

1019

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (888)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (948)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1053)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1156)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1630

```

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cagttgttcc cgtataaatg aaagggttcc atagataaaa ttacattttc ctctcatgaa 480
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ctgcaagaag ggacangt                                     1158

```

&lt;210&gt; 1631

&lt;211&gt; 679

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1631

## 1020

```

agcctgggtg atggagcgag gcttttctca aaaaagaaaa aaaatatata gcatataaca 60
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aagttttggg ggagtcaaaa gttacatgca aattttttac tgtgcggggg gtcagcatcc 180
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attctgttaa attgtgctgg tgcaatttaa catgcttttg tcaaagtaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa

```

&lt;210&gt; 1632

&lt;211&gt; 4601

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1632

```

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1021

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&lt;210&gt; 1633

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



## 1022

&lt;400&gt; 1633

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gaggggtgtg  gctctg                                     376

```

&lt;210&gt; 1634

&lt;211&gt; 3643

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3563)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3581)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3599)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3628)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1634

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1023

```

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&lt;210&gt; 1635

&lt;211&gt; 4051

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1024

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 <222> (24)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (32)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2234)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (2278)  
 <223> n equals a,t,g, or c

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 gacccgctgt ggaaggtgcg ccgcakccag aarctggaca tgtccgcgcg gctggagctg 180  
 cagtcggccc tggaggcgga gatccggggc aagcagcttg tccaggagga gctcaggaag 240  
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1025

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&lt;210&gt; 1636

&lt;211&gt; 1242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1210)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1636

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1026

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&lt;210&gt; 1637

&lt;211&gt; 2124

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1637

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1027

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&lt;210&gt; 1638

&lt;211&gt; 1435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1419)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1426)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1638

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gagacaggct ttgggagaaa taccagaaag ggatttttca aagatggcat tgtttaatct 480
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## 1028

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gcattattct gtaatttggt tgtactgctg caacttttta tactttcaat gtatcattta 1380
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<210> 1639

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1613)

<223> n equals a,t,g, or c

<400> 1639

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## 1029

```

cgtttcttca tgagaaagta ttcacctctg ctctctgaag ggcatttagg ggcatttcta 1380
tggcaaagct atagggtgat actgtaccag gtgttgcaaa atgattataa aagccagaat 1440
gtaagtttgg cgataaaata gtgtgttgag gagacttaat tgtatccaag gcagggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaattac tgcaaagtga 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaa 1620
aaaaaaaaa a 1631

```

&lt;210&gt; 1640

&lt;211&gt; 853

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1640

```

gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacacttttag agcattgggt gtttactctc ttgatgggat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gccaggaaa agagcaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaattttaa 360
ttgaaccatc ataagctgca gactgtgcat tttatataga aaagttaata tttttaattt 420
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tttgtgggtt catctctgct gtgtgtagtt ctttctgtt ctttatacag tgttccaaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttgggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

```

&lt;210&gt; 1641

&lt;211&gt; 688

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1641

```

gggcagatgc gtggaagcac tgtcttgggt atctggggta agatccaaga gaattccctg 60
cattaccagg cagagactct tttcccttc tcttgcttc ctgcaaaaca atggagtctc 120
tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagaccta aagccagggc aacactgggt cttgcctaag 240
gccacagtg accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaacca gccagacca tgccttccc ttcaaggcaa taagcttttc 360
tccctgctgg cccaagtggg ttcccttctg gccctgggtg tgtctgaaa tgtcatctgg 420
gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
agctgggtga caagttgcaa gacagtcttc tttactctc ctctcctct cctgtagcag 540
aaagaaggaa tctctcccaa agctgcgagc tgtactgctt ggggttgggg gaggggtggc 600
acaagcactc ccttagccac cctggctggg gtctcactaa tttgtgtgca cccaagtcc 660
actggctcca agggcagcgc agcaccat 688

```

&lt;210&gt; 1642

&lt;211&gt; 1916

&lt;212&gt; DNA



1030

&lt;213&gt; Homo sapiens

&lt;400&gt; 1642

```
gcgccgccgt cgtgcgtgcc gctcggcgga ggggaacgggc ctgcgttctc tctccttcc 60
tccccgcctc cagctgccgg caggaccttt ctctcgtgc cgctgggacc ccgtgtcatc 120
gcccaggccg agcacgatgc cccctaaaaa gggagggtgat ggaattaaac ccccccaat 180
cattggaaga tttggaacct cactgaaaat tggattgtt ggattgcaa atgttggga 240
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cactattgat cctaatagaga gcagagtacc tgtgccagat gaaaggtttg actttctttg 360
tcaataccac aaaccagcaa gcaaaattcc tgcctttcta aatgtgggtg atattgctgg 420
ccttgtgaaa ggagctcaca atgggcaggg cctggggaat gcttttttat ctcatattag 480
tgctgtgat ggcattcttc atctaacacg tgcttttgaa gatgatgata tcacgcacgt 540
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agatgaggaa atgattgggc ccattataga taaactagaa aagggtggctg tgagaggagg 660
agataaaaaa ctaaacctg aatatgatat aatgtgcaaa gtaaaatcct gggttataga 720
tcaaaaagaaa cctgttcgct tctatcatga ttggaatgac aaagagattg aagtgttgaa 780
taaacactta tttttgactt caaaaccaat ggtctacttg gttaatcttt ctgaaaaaga 840
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ccaaattgta gaagcttttc aggaaccata ttactctcat gatacttcat taatctccat 1620
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tctacagata atgcatgttt tacagtactc cagatgtcta cactcaataa aacatttgac 1740
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gcccgggtacc aggtaagtgt acccaattcg ccctatagtg agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916
```

&lt;210&gt; 1643

&lt;211&gt; 1344

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1343)

&lt;223&gt; n equals a,t,g, or c

## 1031

&lt;400&gt; 1643

```

ggcagagcac atgcgcaccg cagcgggtcg cgcgcctaa ggagtggcac tttttaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caataacctg ctgttcggat ttaacttcac 240
cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tcgactctca 300
gaccaagagc atcttcgagc aagaaactaa taataataat tccagcttct acacaggagt 360
ctatatcttg atcggagccg gcgccctcat gatgctgggt ggcttccttg gctgctgcgg 420
ggctgtgcag gagtcccagt gcatgctggg actgttcttc ggcttcctct tggatgatatt 480
cgccattgaa atagctgcgg ccatctgggg atattcccac aaggatgagg tgattaagga 540
agtccaggag ttttacaagg acacctacaa caagctgaaa accaaggatg agccccagcg 600
ggaaacgctg aaagccatcc actatgcgtt gaactgctgt gggttggtcg ggggcgtgga 660
acagtttatc tcagacatct gcccgaagaa ggacgtactc gaaaccttca ccgtgaagtc 720
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tgaagacaat ttgatacata ataaaaaatt atgacaatga aaaaaaaaaa aaaaaaaagg 1320
gcggccgccc cagaggancc ccng 1344

```

&lt;210&gt; 1644

&lt;211&gt; 1109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1075)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1077)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1644

```

ttgttgacca gctaccctga gccaggcacc accctgaagg agcttctttt cctctgggga 60
gaagcaaat catgatgtgt gtgctggaga tctggcactc atggccagtg ttttccagta 120
tcttgaactc ttccgggggtc ctgttgaccc atttcgtgac ctacctccgt gactgctctt 180
tttctctgt ctcttaagtg tgatggtttt ccagagtcca atcctcagga ctttcccgtc 240
cacacacagg cctggtagtc aggtggctct aaaccattag gtgggttgta gacctctctc 300
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ctggaggttc cactgttgct tcagtctcag ttacttagaa tggaaaccag agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcatttggcc tgttttctaa ataatcccac 540
atcatgtcct cctgcaactt acattgccac tgctctgatt tgggcttttt tttttttggg 600

```

## 1032

```

acaatgcctc tgtcccaatt ctgagtaaca gctctggttc ttgccactac cagagttctc 660
tagcaaatct gagcatctga caggggtgaaa aattctgaat ggcttcctga tgcctgactt 720
tatgggatca aattcaagtt gcacgctgca ctcaagtgcc ttctgggtatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa ccttttgcctg cagttaatta ctcttccat tatcttccat gaacttaaga 900
ctgggcaaaa atgtttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaag gaaaagtggg atattaccta gttacaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatattt ctagnantac 1080
aaattagtgg cttggcctac tacaatatt 1109

```

<210> 1645

<211> 2173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 1645

```

acagagattt gattttctaatt gctatgaatt ggaccagttg gctgacatgc cacaagaaac 60
ttcatattaa gaaacctgct aatatttttag ttatgggtga aggtccctgag cgaggaagag 120
taaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggatcca gtggttggtta cattctggta ccgagccctt gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttctact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttccct gcagataaag attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttaccatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagaccc acttcctaca tcagacgttt ttgccggttg 660
tcaaattccct taccctaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccacccagg 780
gratcaagac agcagtcaca cacagggacc cccgttgaag aaagtgcagag ttgttcctcc 840
taccactacc tcaggtggac ttatcatgac ctacagactat cagcgttcca atccacatgc 900
tgcctatccc aacctggac caagcacatc acagccgcag agcagcatgg gatactcagc 960
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atcttgtcca tgcactgttg cgaatgctgc agggctgact gtgcagctct ctgcgggaac 1080
ctggtatggg ccatgagaat gtactgtaca accacatctt caaaatgtcc agtagccaag 1140
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tagtgtctta tcagtgggct gattcatttt ctacattaat cagtgttttc tgaccaagaa 1560
tattgcttgg atttttttga aagtacaaaa agccacatag tttttccaga aagggttcaa 1620
aactcccaaa gattaacttc caacttataa gtttgttttt attttcaatc tatgacttga 1680
ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttattttt cctgttgggtg 1800

```

## 1033

```

ttgctgattt gtgagcatgc ttttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
ggtgcggcat ccaattcaaa tatttttcgtc ctgattttta agctgggttg tgtagtgcta 1920
ttaaaatttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttaggggtgc 1980
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ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173

```

&lt;210&gt; 1646

&lt;211&gt; 1394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1646

```

ggcggcgctct tccggggcct ggcggggcgg ggaccgaggg ggcgggggagg tgaccgggcg 60
ggggcgggagc cagcggggcg gcgcggcgcg ggaggcgacc atgcgcggcg cgggggcat 120
cctgcggccg gcggcgcggt gtgcccggga cctgaaccgc cggcgggaca tctcctcctg 180
gctggcccag tggttcccta gaaccacagc cagggtccgtg gtggccctga agaccccat 240
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gcagcccttc tgtgacggct cccacttctt ccaacgcact ggcctatctc cactcaagtt 360
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actggtagtc ctgcagtcac tgcctatgagg cccatgtgct gcctcctgct ccagatttta 780
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cgttcgcgcg cagg 1394

```

&lt;210&gt; 1647

&lt;211&gt; 725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1647

```

tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tcccmcttg 60

```

1034

```

aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactggttggg aagacagctt gagtgggaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
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catagaccat ccactgcctc agggctcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagagggtgga aatggttggt 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccc cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttcgcc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccaccaagg tccccaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagtgtgt gctctaaatt cacacaagtc tgaaaaaaaa 720
aaaaa                                           725

```

&lt;210&gt; 1648

&lt;211&gt; 1593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (697)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1032)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1078)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1648

```

ggctggatcg cgttgtcccc cctggcgcgc ccgcagcgcc tgccggtggc cactcgcgcg 60
gtgtcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acggtgctgg ccaccgtatt ggagttgaac agccccggtg ccacgagct 180
gcgtacctgc tgctccccct gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
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cgtcaacaac gcaggccaca atgaagtagt tgctgatgcg gagctgtctc cagtggccac 360
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cacattcagc tgtgaactcc ttccctgggg ggtcaaggte agcatcatcc agcctggctg 600
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tgggcagttc ctgcactcgc tacgectggc catgtccgac ctcacccag ttgtagatgc 780
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```

## 1035

```

cgggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagccttt 1080
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aagccacagg gaagcatgta ctgtacttcc caattgccac attttaaata aagacaaatt 1560
tttattttctt ctaaaaaaaaa aaaaaaaaaa aag                                     1593

```

<210> 1649

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 1649

```

aaagaactgt gtgagaacac tgaaaactca aaaagtcaga atgccttctt tcctccaaat 60
gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaat gaagtatgtt 180
gtcatgcaat acaagtgcag taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtggggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaaactt cctacatcac tttgctgtgt gtgttttacac atgtnggggtt 480
ttgctgtact tgccctgaca gcacaccggg agtgcaggcc acaccccaac ccacaccaac 540

```

## 1036

tgccacttga aanacaaaac cttgggtggg gc

572

<210> 1650

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 1650

```
gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttggtga 60
gaggttgttt ggttatgggt tagcngttga aaagattcag gttatccttt taaatgactt 120
tacgttttag tggagctggg agattacttg cctggcttct aatcttcatg ttgggttcatt 180
ttatttccat atgtgtgtgg gttatttggt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtgt attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttta cttttcttca agncttcagt 360
gaatctacag acctattttc tcangagctc aacctggcct tactt 405
```

<210> 1651

<211> 995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (987)

<223> n equals a,t,g, or c

1037

&lt;400&gt; 1651

```

gcaaaaccaa caaaacaacc aaatacaggt ctcaagcgat ttacagctcg gtgcttaact 60
cggtcaccgg ccgaggggca gccctctggc gccaaagccc cgctctctta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgctgt aagtgggccc 180
ttgccttaca gttgctgaga ggaggcgaga ggcgggggcg ctagggccga gatcatgtct 240
gactgggaga ggtttccttg gcagcagagg acgctagggt tgggatgaaa gaagctgggc 300
agatgcaaaa tctggagagc gcgagggccg ggcggtcagt cagcaccag actggcagca 360
tgaccggtga gtgtccggga cctgtctccc gccacctac ctttcgctct gccctgtgct 420
tctcccgctc ttgaactcca gattccttgt ctgagcctct ttgcctcccc tgctgctttt 480
ggatgtctcc tgcccgcctt ctgctgtgct cctccgcggg cgccaggacc aatcggctcg 540
gtcgcactgg cttttgaagt ctgctttttt acccctgtta gctacttctc acaggacctc 600
gagctggggc ctctgagggt aaagagcctg aacatttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgctttcct gtatttcgac tgctttaccg tcgaaggcca 720
gataccaagg cttttctaaag tcaacctttt cactctgctc agcctctgga tggagctctt 780
tccagcagaa gcccagcggc aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgttctg 900
cttgtttgaa aatgattgna aatgcaaagc cttaacagta atgatacagat ctatgtctag 960
gtcagtgctt tgagctataa atggcanaac ttcta 995

```

&lt;210&gt; 1652

&lt;211&gt; 636

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1652

```

gcgagcgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgatc ttcaattgag tattaataaa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggaccaa atgtaaactt cattgggtcag atttagaagc attcatgctc acaagttttg 420
ggaaagtga aaataataaa atcatcttgg attttattct gtatatataa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgaccttctc tgagtttttc 540
agaagccttt aattttttata ctttcaatac catatttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636

```

&lt;210&gt; 1653

&lt;211&gt; 1255

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1251)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1653

```

ggcagagcag gaggagcacg ggaaaagaaa gaagaaaggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcactctgcc cccgggttac catggagaga ggtgtcatgg 180

```



1038

```

gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
ggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
attttgggac ttctaccag atggaaaaat aacaactatt ttgttggtg ttgtttgtaa 360
atgcctctta aattatata ttattttatt ctatgtatgt taatttattt agtttttaac 420
aatctaacaa taatatttca agtgccatga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatgggt 540
ctgtgaccca tctgtagtaa tttattgtct gtctacattt ctgcagatct tccgtgggtca 600
gagtgccact gcgggagctc tgtatgggtc ggatgtaggg gtttaacttg tccagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgattttgtc taccatttgt gttttgaaag 720
ccaaggtgc tgatgtcaaa gtgtaacaga tatcagtgtc tccccgtgtc ctctccctgc 780
caagtctcag aagagggttg gcttccatgc ctgtagcttt cctgggtccct ccccccatg 840
gccccaggcc cacagcgtgg gaactcactt tcccttgtgt caagacattt ctctaactcc 900
tgccattctt ctgggtgtac tccatgcagg ggtcagtgtc gcagaggaca gtctggagaa 960
ggtattagca aagcaaaagg ctgagaagga acagggaaca ttggagctga ctgttcttgg 1020
taactgatta cctgccaaat gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccacccacc tcacaaaaac gatgaagkta tgctgtcatg gtcccttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcatatt tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaaaa ntctc 1255

```

&lt;210&gt; 1654

&lt;211&gt; 518

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (198)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (448)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1654

```

ggaatctcct actatagtga aagctgggtac ncctgcaggt accgggtccgg aattccccgg 60

```

## 1039

```

tcgacccacg cgtccgcccc cgcgtccggg actccttgaa ccctggactt caaagggggg 120
agagattgct gcagccccgc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnca aagcaggtgg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccttc acctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaatgact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgtttgg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttcctctt ttgacatt 518

```

&lt;210&gt; 1655

&lt;211&gt; 793

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1655

```

gcttgaaact ccagaatgtt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagtgaact ccactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt caggggaagg 360
aagatcactg gggtagagag gtgacctgra gggaggtcag cgtgggcagg ggtgagacca 420
aggaaaagat tgaagaacag aaggcattgg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcatgtacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaaagg tcataaatta actgatagt 600
aagatgaatt tcctgaaatt acagaggaaa tggagaaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctacgtgaag catttcgcct gaccattaca cgcaaagata 720
ttcaaactct aaaccatctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

```

&lt;210&gt; 1656

&lt;211&gt; 1062

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1656

```

gggcacgagt ttctgtcctc ctctcctggct cctccttctt cccaccctt ctaataggct 60
cataagtggg ctcaggcctc tctgcggggc tcaactctgc cttcaccatg gctttcattg 120
ccaagtccct ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcttg gtggtccttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct gggggtggat accagcccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaac gagcatcctg tcttcgccta cctgaaggac aagctccctt 480
acccttatga tgacctattt tccctcatga ccgatcccaa gctcatcatt tggagccctg 540
tgcgccgctc agatgtggcc tggaactttg agaagtctct catagggccg gagggagagc 600
ccttccgacg ctacagccgc acctcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcattcc 780
cttgatatca gtcccttca ctgcagagcc ttgcctttcc cctctgcctg tttccttttc 840
ctctcccaac cctctgggtg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

```

## 1040

```
ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062
```

<210> 1657

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 1657

```
ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttatTTTTTT 60
gcagcatttt ccagtcacat atcagggtta tactgaactg caacaaagat caactTTTaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgcctt 180
gctcttgcc tctaacatta gccatttcat ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaagggt aaaatccttat 300
gaatatgcat cttcttagct ttatcttccc ttgatagggt aggcacttat gctcttccat 360
ctgctccatg tcaaatagggt ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612
```

<210> 1658

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<400> 1658

```
catcttaggt gacactatag aaggtagcc tgcaggtagc ggtccggaat tcccgggtcg 60
acccacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtggtgtct 120
gctggaagtc tactgccatt atagggaacc ttgcttgcta gcttctctag atctctattc 180
taaacaatct gttagtgatg ataaattctg taggaggggtc tattctgagc cgtaaacttc 240
ctgtaagggg aaaatgggtg ggttaccaga aataccattg aagcagggtg ggctgtgggg 300
tggaagggtg gggatattgt cttgagaatt aaaaactacg aaacactttt gtacacaaact 360
gattttttta aaaaataaaca cattttttaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480
```

## 1041

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aagggggggcc g

521

<210> 1659

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1659

```
ctcaaaaaaa aaaaaaaaaa ttaaaaactt ccttttantic gcagagctgg aaaagttgga 60
gttggtttttg gtataacttg agagctggct ttctaaagtg ctgctttgag gactgtttgtg 120
taaagcactt gattcgtctt ccttttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaaag tcagtcacaga aatagttgct cagcaatctc attgttacag 240
tgtcgcaaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaagtgt gtgactcctt tcttatagag ccagcaagct. gtattggaat cacttttcca 360
gtgttgtaaa tgttatTTTT gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaggtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttggt 480
agtaacgggc tctatgggtt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttgggscac agctgcctcc taccacaggg cctgccaggg tctcgggggcc atgctgtcca 600
aaggagccct gaaccctgct gacatcaccc tctgttcaa gatgttcaca agcatggacc 660
ctcctccggg tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaagggtga 720
ctttggaaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccatcattgt 780
cctggtcctt cctcagtcac actctctgcc tggagcctgt tggggccctg ctgtgtaggg 840
ataccctgag gggagggtggg tgagcagtgcc cctcacgcct gccatcc 887
```

<210> 1660

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1660

```
gattgtgtct ccagccccctc aggctgaaga cactgccttc cccctacacc tccccagggg 60
tgccgggttac cagcactggg aggccaggcc atgctcacgc ttcatggagg acacagcagc 120
agagaagctc acaaggttgt aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcac acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gagggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytt tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtttgct cagaagtggg tgcaccccca agtgacacct 420
actgatgact caaacccttg gtgggcagct tttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcggtgggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgctgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgctgcct 660
gcccttgcca gtgtgcctgc cctgcccagt gacagctgag ccctggaact cctaaacctt 720
tgcccttggg gcttccatcc caaccagtgc caaggacctc ctcttcccc ttccaaataa 780
taaagtctat ggacagggct gtctctgaag tactaacaca aggaaaaaaa aaaaaaaaaa 840
aaaaaa 847
```

1042

<210> 1661  
<211> 508  
<212> DNA  
<213> Homo sapiens

<400> 1661  
tttctcttcc ccaggtgcct caccttccct tcatgggctt tctgcccgcc tttgggtacc 60  
cctagcgggc ccgaggetca ccctggtttg gagccaggga tgctagtgtc cccggggccc 120  
agcgcagcgc tgatgggaag ggacttttgt ccgtggggaa cccaggaccc acttctcyga 180  
ggtagascctt ttttttttct gccgcagtgc ctcacctctc ctccctcaaa gtcaccttc 240  
ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccgaggca caccctgtgg 300  
ctgaaccagg gactccaggg tccctgcggc ccagcacagg cgctgatggg aagacacgtt 360  
cgttcgtgga ggacccaggc cccgtttctc agtggcgtgg ttttttttct ctgcccgggt 420  
gcctcacctt cctctaattg gccttttgcc cgctttgggg tacccttagc gggccctatt 480  
cgcacctgc gctcgaacca gggtcgca 508

<210> 1662  
<211> 544  
<212> DNA  
<213> Homo sapiens

<400> 1662  
gcccagcata gagaggatgg ctgcccaccc tcagctcccc tccttgcttc ctcgagtgtt 60  
ctgactccgc actagccgcg ccctgtagga agaatagggt gtccacctct ccycgggtgt 120  
cgcttagtca ctccagttga agacgggacg cgtgcccgat ctcaagagag cccccgaccc 180  
gtccgtgggg aaccacatcg acgcttcttc tcagcctcca gtctccagtt ccaaggatgg 240  
gtcatctcca accmcttgcc ctgcctcagt ttctccatct ccctgctgca gcccgcagga 300  
actgggcacc ctcgagccgt gcatggcccc cgtgcgctcc gaggtcccgg ccgggtcgcg 360  
ccgcagtctt cctcaagtat gcgcggcccc agcgcacagg gaccagcctt gccgccgcct 420  
tgcttgcgc cgctccagtc ctgagcctcc ctgagtactg ggactcagtc aaaaaaaaaa 480  
caacaacaaa aaacaaaacc ctcccagtggt gtgtccgtct ctcatctcaa taaaagaatt 540  
tatt 544

<210> 1663  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 1663  
ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60  
tttcataatg gacacagata tttttatgag atggatgagg tagaagggtga aactttgcca 120  
tcatcctcta caacattgga taatttgact gctaacaagc ctatcatcagc tattactgtt 180  
attgatcatt ccccggaaca tagttctccg aggggtaaaat ggcaatgccg gatttgtgaa 240  
gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300  
tttcatagat acagctgtgc tctactgcaga aagccttttc ataagataga aacattgtac 360  
cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420  
gatcttatct ttaatgtgga agaa 444

<210> 1664  
<211> 1279  
<212> DNA

1043

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1273)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1664

```

tcccgggtcg acccacgcgt ccgcggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgtc attaggggtgg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgtttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaagcct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atggtgccta tgatgcattt aagcatgcag tctcagaccc atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgacccac 420
aggctgtcaa aattcgagca gatattgaag tggcttggtt tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaata agctcctcct cggatatgtaa tgactacgac aaccctggag agaacagaag 600
gcctttctgt cctcagtcga gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaata gagcccaaag tggtcacaga tacagatgag actgaacttg 720
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aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
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aatgccctcc taaatgtcag ctgttgtcac acagtagctc caacactttg agcattttta 1020
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tgatttccat ttctgatgtc tccagattgg caccctttc tagttcaatg cctcacgaga 1140
tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaata aaatttcttg gatattttaa aaaaaaaaaa aaaaaggggg gggccttaa 1260
gaaccaagtt tantttggg 1279

```

&lt;210&gt; 1665

&lt;211&gt; 2509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1665

```

cggctcaggt gctggcggtc ccgcgggcgc cgctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gctcattcat accccaggtc acgattccgg 120
ggtcgcccc agcactttct ccgcgggtgc atcaacctga aaaagcccc tcttcttgga 180
aaccctcctt ctccagcggt tcaacgggga aactgatcag ctgacaccag cccagtcct 240
gcgagggggc ggcgaccttt gacctttctc caaargggac cacctggctt catgtgtgga 300
tttccacggc tcttgcccag aggcgggtac actgtgttcc aatgtgccac ggaactcacg 360
cagtggcact ttgtggcttc atgaaggaag aggcaggcca cgcaacactt cctccccaa 420
ccaaggagaa gtatcacttt tagaggcaga ggagcggaag gcagtgggtg tgacaaaaag 480
tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatcttc 540
agttgtcatc aagttcgcaa tcagattgga aaagctcaac ttgaagcttt cttgcctgca 600
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ccacctttcc tacaaattcc gattactgtt gctgttgact ttgtgcctga cagtgggttg 720
gtgggccacc agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaata ttccataaga ccctcatttt ggggaaggga aaaactctga ctaatgaagc 840

```

## 1044

```

atccacgaag aaggtagaac ttgacaactg cccttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
cgttccccac cggaacagag agaaacacct gatgtacctg ctggaacatc tgcacccctt 1080
cctgcagagg cagcagctgg attatggcat ctacgtcatc caccaggctg aaggtaaaaa 1140
gtttaatcga gccaaactct tgaatgtggg ctatctagaa gccctcaagg aagaaaattg 1200
ggactgcttt atattccacg atgtgacctg gtacccgaga atgactttaa cctttacaag 1260
tgtgaggagc atcccaagca tctggtggtt ggcaggaaca gcaactggta caggttacgt 1320
tacagtggat attttggggg tgttactgcc ctaagcagag agcagttttt caagggtgaat 1380
ggattctcta acaactactg gggatgggga ggcgaagacg atgacctcag actcagggtt 1440
gagctccaaa gaatgaaaat ttcccggccc ctgcctgaag tgggtaaaata tacaatggtc 1500
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gctgatagcc ttcaggggag gacctgccc ggtatgcctt ccagtgatgc ccaccagaga 2340
atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttacaagtt tacatatata ctaataataa atatgtctat caaataacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2509

```

&lt;210&gt; 1666

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1666

```

gtgagtgtgg ctgcgggcct tgctgcacgg accccatggg agctgtgagt gggtcagact 60
tccctggttc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc aggccggcgg 180
ggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgccct cgtgggacag 240
tggaagaagg ccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgccttg gatgggtcac agaaccagcg ggcacctgtg aggctggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatattwa acmccttgra ttttcaaaaa 420
a 421

```

&lt;210&gt; 1667

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1045

<222> (205)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (421)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (435)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (502)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (514)  
 <223> n equals a,t,g, or c

<400> 1667  
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 taggttttagc aaggggggaga tccgtgggtt gtgcgtcagc tttgggtgaa ttttgtttct 120  
 accctgtcac ggggaaagtt cgggttgagt ccaggagtgc aactgtctgc tgccacccaa 180  
 tgcgctacat atcacttttt tttgntttgt tttgttttgt ttttaaaaga tcattttatc 240  
 ttaaaaagga aagctgatcc aagtaaacac gaaagtattt gacacacccc acagatttta 300  
 catgtgtgta aatgtttcac tttaaaatct ctatgacaga tacacaggaa acatgagatg 360  
 gtttctgcta atgagtggcc cttgagtaca cacttagatg ctgtctgccc tgtaaatttg 420  
 natctggtgc cccanggcac tcaactcttc tagcacaggc tgaaaacacg tgtgtgtcaa 480  
 ctgaggttca caccacttgg gngaattgagc ctgntttctt tccca 525

<210> 1668  
 <211> 1349  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<400> 1668  
 tcccggtcna cccacgcgtc cggcggcgcc ggcggaaggt tcagcaggga gccgtgggcc 60  
 gggcgcgccg gttcccggca cgtgtctcgg cacgtggcag cgcgcctggc cctgggcttg 120  
 gaggcgcggc cgccctggat ccgcggcgcc tggtcgcca gtcggtgtcg tccttgacca 180  
 tcgccgacgc gttcattgca gccggcgaga gctcagctcc gaccccgccg cgccccgcgc 240  
 ttcccaggag gttcatctgc tccttccttg actgcagcgc caattacagc aaagcctgga 300  
 agcttgacgc gcacctgtgc aagcacacgg gggagagacc atttgtttgt gactatgaag 360



1046

```

ggtgtggcaa ggccttcac agggactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttgtttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acatttttgaa cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctatcc aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgacat gccaaaggccc acgaggggcta tgtatgtcaa aaaggatggt 720
cctttgtggc aaaaacatgg acggaacttc tgaaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaacgcaa agattacctt aagcaacaca 840
tgaaaactca tgccccagaa agggatgtat gtcgctgtcc aagagaaggc tgtggaagaa 900
cctatacaac tgtgttttaac ctccaaagcc atatcctctc cttccatgag gaaagccgcc 960
cttttgtgtg tgaacatgct ggctgtggca aaacatttgc aatgaaacaa agtctcacta 1020
ggcatgctgt tgtacatgat cctgacaaga agaaaatgaa gctcaaagtc aaaaaatctc 1080
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cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaaa 1349

```

&lt;210&gt; 1669

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (478)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (484)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1669

```

gcgttcttgca ggtgggctgc ggcggactt accaacaacc gggtcggggg ctcccggaag 60
tgctcttgcg gcttactgcc tggcacagct gtcattcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttcct aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaaactgta aagtctgaaa atagttgcat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagttgt cccctattgc ttctgcccc aagactctcct 300
tcctaattca tgcaaaaagcc tttagtaccg ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct tttagtaacg ttnggaagaa aaattagtca gcgagttatt 420

```

1047

tcacttatttt grtgagragg gcaatggttt tggggaacng gcaccgggcc aatgtggntt 480  
gganttt 486

&lt;210&gt; 1670

&lt;211&gt; 1957

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1670

tattaacata atattgagac gtaatacgtc gaacagtgga ggagcgggaag cttaagctag 60  
aatggagaa acaagaattt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120  
atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180  
ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240  
aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300  
aagagcgaga agctgaaaaat ttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360  
aaagcgaggc tccattttact cacaaagtga atatgaaagc tagatttgaa caaatggcta 420  
aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcatgcagt 480  
ttgaacaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540  
aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600  
catggttcaa gaagcctctt aaaaacacat cagttgtaga cagtgcagcca gtcagattta 660  
cggttaaagt aacaggagaa cccaaaccag aaattacatg gtggtttgaa ggagaaatac 720  
tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780  
cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcac aataaaggat 840  
ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900  
ttattctatt aatttttttt tccttaaaat cacttttctt cttctctttt ttagctgatg 960  
actactagct cccctccctt ctccctggaa ctttctcttt cactccaact ttcttactac 1020  
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ttattccttt tcataacagt cttcaaagca cagctcatct aaagaatgcc tacttctttt 1140  
ccaaataagc atcagattta tcgcctatta tgcagtaaca gtcaataaaa tgtacttatg 1200  
ggggggaatt actcaattat tctatcagaa cctattataa agactgtatt tcccatagac 1260  
gtttacagca actatgttta aaaaacaaaa acaaaaaaaa aacacacaaa cctaagtaga 1320  
atacattatt ttgcatgaag gaatgtcatt tctgagcttt ttacacctaa aattaggctg 1380  
aaatagctga gataattaat ttggaacctt tcaatttgag tggacttttt ctttagtagt 1440  
acaccatttt gggtgttgta gtttcaaagt ctttctgaag cagatatatt gggattggag 1500  
cgggggtgggg aaaactgtca ctcccttcag aggaaaaggg gaggagcatg gagaaaaaca 1560  
aaaattaaag gacttaaaga atggctatac agtggtgagt gttgaggata ttaaacaatgt 1620  
tatttttcaa acgtatgtaa tatatattaa atttataaag caaatttatg ttgtgatctt 1680  
gcctgaacaa attatatattt aatgaaaaaa ctttctatta atagtccacg caagagaaaa 1740  
cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtgg 1800  
cacaaccttc gatttaaaat tctagtcttt aaaatgagtt tgtaataaat tagctattac 1860  
gttctattaa gttgttttat attttaattt tctggaagac aattttattt tacaacgtga 1920  
acccaaataa agtaacttct gtatttataaa gtcaaaa 1957

&lt;210&gt; 1671

&lt;211&gt; 815

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

## 1048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<400> 1671

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tggcattatg ggatgtatgg ccaggctntt ccentgccagg aanttattcc aggcattggtg 60
gaatccttca tcnggaatgg atgggttttcc ntttatgcc aaaggcccat gtctaaccct 120
ttattattaa ttccagcagc atggggactg gtaccagtgg ttccctcaaaa gtgtggaccc 180
cggaccacagc cagtgrgagc atcatctggg aacttgggta aaaaatgtaa attattaggt 240
cctaccttaa acctcctaaa tcacaagctt tgctttaaca agcaacctgc actttaaaca 300
aactctctag gtgattctgg tgcattgctaa agtttgagcy tcttataata ammtasaaac 360
tgtaccacaa ctgataatta tagtctcctt tagggataaa tcaattatta gttacaaatt 420
aggcaataaa aggcaaaata ctagagaaaa taaccaagag attaatgttc ttcacatatc 480
agtgaaaaaa agtaaagaac attttatggg gaattwgaga tatacagaga attacattta 540
acattcacca taaaaagtaa agaacatttt atgggtgaatt tgagatatac agagaattac 600
atttaacatt cactgatgtt tcatctgtca gtagaaagaa ggccgnaaga aaggtgatcc 660
caaactgggt aatgtcgagt aagaggaatg taaaatggca aaaccaggaa gcaaaaatta 720
ngaagcaaga gctgctctaa aggaaaagga aaagtctctt cactaacaca gaagagcgca 780
ggagctgcag ggccgggttaa tcaaccaccc agata 815
```

<210> 1672

<211> 832

<212> DNA

1049

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1672

```

ttgcaggtac cggtccggaa ttcccgggtc gaccacgcg tccgaggttn gaaggcgaga 60
tctgattctt caccctcac ccctgnccgg gctggtgaca ctgaaggcaa agactgggac 120
accaagggtc cagaactggc tcgtgcccc a tctgtgcgg catgagcagc gccccgcgc 180
sgggcccgcc gcccgccagc ctcacgctct gggacgagga ggacttcmag ggccgtcgct 240
gtcggctgct aagcgactgt gcgaacgtct gcgagcgcg aggcctgcm aggggtgcgt 300
cggtcagggt ggaaaacggc gtttggttg cctttgagta cccgacttcc agggacagca 360
gttcattctg gagaagggag actatcctcg ctggagcgcc tggagtggca gcagcagcca 420
caacagcaac cagctgctgt ccttcggcc agtgctctgc gcgaaccaca atgacagccg 480
tgtgacactg tttgaggggg acaacttcca aggctgcaag tttgacctcg ttgatgacta 540
cccatccctg ccctccatgg gctgggccag caaggatgtg ggttccctca aagtcagctc 600
cggagcgtgg gtggcctacc agtaccagg ctaccgaggc taccagtatg tgttgagcgc 660
ggaccggcac agcggagagt tctgtactta cggtagctc ggcacacagg cccacactgg 720
gcagctgcag tccatccgga gagtccagca ctaggctcca cggccccaga caccttccct 780
gaggacactc aataaagggtt cctgaatctt cctgccaaaa aaaaaaaaaa aa 832

```

&lt;210&gt; 1673

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1673

```

gcaagaagga cttctttggg aaatcagacc ccttccttgt gttctacagg agcaatgagg 60
atggcacgtt caccatctgc cacaagacag aggttgtgaa aaacacgctg aatcctgtgt 120
ggcagccctt cagcatccct gtgcgggctc tgtgcaatgg agactatgac agaacgggtga 180
agattgatgt gtacgactgg gaccgggatg gaagccacga tttcattggg gagttcacca 240
ccagctaccg ggagctgagc aaggcccaga accagttcac agtatatgag gttcttaacc 300
ctcggaagaa atgtaagaag aagaaatatg tcaactcagg aactgtgacg ctgctctcct 360
tctctgtgga ctctgaattc acttttggtg attacatcaa gggagggaca cagctgaact 420
tcacagtagc cattgacttc acggcttcca atgggaatcc tctgcagcct acctycctgc 480
actacatgag tccctaccag ctacgcgcct atgccatggc cctcaaggca gtgggagaga 540
tcatccagga ctatgacagt gataagctct tcccagctta tggctttggg g 591

```

&lt;210&gt; 1674

&lt;211&gt; 616

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1674

## 1050

```

agttttatca tctgtaaaat ggagataagt attgtcagag taaacatgaa gattagaaag 60
aacacttaat gtgctgggcc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgtttgg atatttggag aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggcccg acgtgaatct gacttctagt aaaaatacac 420
ggttcccttg acaaagtcga gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggagggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaact ggaagaaatt aaagggtttt 600
ttttagaaaa aaaaaa                                     616

```

<210> 1675

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<400> 1675

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aaaacgaggc agaacaggac gtgattttaa acatttgctg ggctgtgcc aattcctctg 60
gcagtttagct cagaggaagc tcccttcgct ctggggaacg gttctgtgtc tcattgggtc 120
atttctcttg agctcttcgg cagtcaaatt tgcttttttg aaaacttaag ctggggggcg 180
ttgcaagtag taaatagagg agttgggggtg gggggggggcg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tcctcctctt cccctggccc 300
ggactccag cttcattgtg tcatcccgcc tgggggaaaag caccacccgg gatcgtcagc 360
ccactccacg ccagcctagc ctgsaagtct cagaaaaaaaa gcaaaaactgg gagaaaaatag 420
aagggtgtgag ggaggagtgc acccctaggc ccaccataa caaaaggctg ttattccgaa 480

```

## 1051

```

agggctgagg aagggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtctctctct ggacaacgta aagtttttaa attttaaaaa aaatcaatgt 600
nccccctgat atttttacct tnataccctg tttcttaang gaaaatccct tcaaaagggg 660
taancnt                                         667

```

&lt;210&gt; 1676

&lt;211&gt; 831

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1676

```

tttaagaatt gttggcatct gtattcttga ttaataccct tgtttttcaa gatgtacttg 60
cagtaaatat atttgctttt taattcttgg ttagcagttg aaatgggtgag tttcagaagg 120
ttaaaaaggt aattttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttaggggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaatat 240
ttgattagct cattctatatt aatttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgatcctt ctatggttca aatgaccttt ctagatgatg ttgkctactc 360
tttgttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctcgtg ccaatcaaaa 420
cgtcaacgct gttcacagcc attatacacg tgcccaagca aatagtcca gaccagcaat 480
gaactcccaa gctgctgtac caaaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatgtt tcgacttttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

```

&lt;210&gt; 1677

&lt;211&gt; 1319

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1677

```

ggctggcttc tgcgtggtgc agctgcgcac gtgtttcagc cggcagcgct ttaagatttc 60
cgggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttacccagg 120
tcacccgcaa ggtggccgac gggcgaagaa acgacaggct gaacagctgt ccgcagcagg 180
agagggcggg gatgcgggcc gcatggacac agaggaggcc aggccggcga agaggcccg 240
cttcccaccc ctctgtgggg acgggctcct gagtgggaaa gaagaaaaca ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggcttttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

```

## 1052

```

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gtttttgctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaaccta atctgggaaat cctccttcca aggtttatgg 780
caatatcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
tttatcttgc ctttggactc tggtgaaaaa tactttacag tggtcgggtca caagaaacca 900
tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gtttttaggat aatttaaata 1020
tcaaaaattg attgttatac ttacacatta ggtataat ttatcattatc tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttggtt aaacagctct 1140
atatggattt atacctttat atttataaat ttataacttc atacaaattt ataaacattt 1200
ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgacccttc 1260
cttaatactg ggtgatgtgt gaatatttgt ttgttggcag acaggtctc actttgtca 1319

```

&lt;210&gt; 1678

&lt;211&gt; 470

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1678

```

gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat tttagccact gggggcccacc gagaattgtt 120
gagattttta gagaacccaa tgtgtcyctt gggatcagta ttgttgggtg acaaactgtt 180
ataaaacgtc taaagaatgg agaggagcct taaaggatata ttcatacaaac aagttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgaggtgtc 300
tggagtagat ttgcagaatg cctcacacag cgaagcagtt gagggcatta agaatgcagg 360
aaaccctgtg gtgttcattg ttcagagttt gtcatccact ccacgagtca ttcctaattgt 420
acataacaag gccacaacaaa tcaccggtaa ccagaaccag gacacccaaa 470

```

&lt;210&gt; 1679

&lt;211&gt; 1126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1120)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1679

```

aattcggcac gaggtgacca ggagtcgacg tgtgcagaag tcctggtaat ctggtccttg 60
ttcccgtctg gataccagct tccttcagca gcgcaggcgg tggtccttga ggcccgtgga 120
aggagtcaaa cttgcgggaa ttttgacgtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaacccaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaaaacttat agtgatgcgt tgggaaggta atcgaaacca tccttaccctc 600
tatttaattg agtttacctt gatttttatc tgatatatac aataccatat agcttgcttt 660

```

## 1053

```

ttattagcat ttcctgatat tcctttgtcc atattttctac ttataacctg ttgctattaa 720
tgggttttaga tgtatctctt gttatctgca tctcattggt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga ggttcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcgggtggg gggattatga atgatttttc tccttttgct tgtttgattt ttctatatctc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggg 1126

```

<210> 1680

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 1680

```

accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatcccc gggtgcagg aattcggcac gagaaatggt catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaa gggcatgttg ctgttgagaa gtcaagtaag ygacatagta 180
gttcagggtg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatc 300
cggttctaaa attaatttgt tgcagctttg taaatatttc ttttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtatttatt atgtagratg 480
gaatgagggg acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaaccggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccataggggtg 630

```

<210> 1681

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 1681

```

gcatagaggct atagcatggt tatgactctg gtttctttct cttcagggtg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaatt tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

```



## 1054

```

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatattg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
atttggcggt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttgga 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg                                     612

```

&lt;210&gt; 1682

&lt;211&gt; 1194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1682

```

gcaaccaggt ctacttttta atggctttca taacactaac tcataagggt accgatcaat 60
gcatttcata cggatataga cctagggctc tggaggggtg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatg tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaat ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatataggt 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaaag tatatagctt ttagcaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttctct ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt ccactctgt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaaatcc ttatccactt aatttaatgt ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcat aaatgtaatc cacctttagg tatttttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatatt tcctttctct ttacaatgca cataatactt 960
tcctgtatatt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaaatga 1020
aaatctaaaa tctttgtaac tttttatatt tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgccgct tttta 1194

```

&lt;210&gt; 1683

&lt;211&gt; 1014

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1683

```

acacctccaa cagactctca ttaagattca gttattttccg ctccccagcc ccacactcct 60
ttcagattat cgttcatggg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatattgta tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaggata tgtatgtgaa tttttgggaa 240
acctctcggg gctggatgcc agcctacagc aggggccatt gctggcaatg gatggcccag 300
gaaggtccct agagatcact cacttgaaaa atgaggggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg caggtggggg taggggagaa atgaatgaat aaattctcta 480
ggtatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

```

## 1055

```

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccttg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatatttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taaggttaaa 900
aacatctcat ttaatagtga gttcactatt tttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaagat tctaaatctt aaaa 1014

```

<210> 1684

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<400> 1684

```

ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgcg agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttgttt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcgggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tctttagttt 360
gagggccaca cacagaggag gtgggcagaa aactgagggtc tyccagagag agcttttycag 420
acnaaaaaaa a 431

```

<210> 1685

<211> 569

<212> DNA

<213> Homo sapiens

<400> 1685

```

gcggacgcgt gggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcc aatgcccct gaggaggcca 120
aagatgaaaa agacaccgga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgaccagac acctgtgatg agtcggttga cccctttaag 360
acatcctcta agaccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgcctatgg aagccaatgg agtggacggg gatgggctaa acaagcccg caagaagaag 480
aagacgcccc taaagactga acatttargg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

```

<210> 1686

<211> 922

<212> DNA

<213> Homo sapiens

1056

<220>  
<221> misc feature  
<222> (904)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (912)  
<223> n equals a,t,g, or c

<400> 1686  
cctcatagca ggcataccaac acggctgcca ggatatcggg gcccgagcc tgtctgtcct 60  
tcgggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120  
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcggtg 180  
gaggccgagg tgggtggaggg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240  
ataactgagt ggtccacaga tttgcactac gggttctcca gctcctttcc aggcagagag 300  
gaggggaggt cctgagggga ctgctgcccc tcactcggca tccccctgcag agtcaggact 360  
gctcccgggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggtctctcag 420  
gccctgcgcc tgcctcaggt ctttcttget gcagcctget ccagcctggc cccacccca 480  
ggggcaggcg gccctcctg gcttctcctg tagggcacct ccctgccccct agcctcccag 540  
gaaatggtgc tctcctggcc ctgcctctgg cccttcccs ggcgctgccc ctcagccatg 600  
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccgccct 660  
gggtaccct tgggtcctgc tctcaggcc gctccccctgt ccctggccat gggtaggaga 720  
ctgcccctggt catggccgcc tgcctgtcat tctgactca ccaccgtccc cagggtgaacc 780  
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840  
ttgcgtcatt gtgtattaaa tacttgggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900  
aaanaaaaaa anaaaaaaaa aa 922

<210> 1687  
<211> 1596  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1498)

1057

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1508)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1515)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1589)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1687

```

tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
cagggttcttt agtggaagaa cgcgaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgcggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggaccgc gtggcctggc 180
aacagggtaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagttgaaga aaatcaaaca agatatatat 360
tgttatgatc tcattcaata ttgcctcttg gtccctcagtc aagattattc tcgaatccag 420
gggtggttgg ytacaaattc ccagcttaca cagatattaa gccattgctg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaat 540
tttctagttt tggggagaca attmcaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt tttccaaatt gtgactgatt ctctctcttg gcttttggga 660
ggccatgttg aacttattca gaatgtacta caaagtgatc atttcttaca tttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtgggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
atttttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctggttgatgg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagccat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggaggt tcagatccaa acgatcaaa 1200
atggttgctgg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatagtt 1320
catccagggtc aggtggagaa acactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaaagagca agcgctttta attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgccctc cttggggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

```

1058

<210> 1688  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<400> 1688  
ataaaagaag caatcacccc cacatthttcc cctgcccaacc acttgccctgt accaagtgtg 60  
agctctgaaa ggggaagtct ttaagggttaa acaagtgttg aagtcttaat tttttttatt 120  
acatggactt taccaaactg actttttgtt tgtntctttt tagtggctag aagtgacccc 180  
aggatthttt tattatcaag agagactaga agaatcatga gactthttcct agttgccctt 240  
caagaatatg aagaaaaaaa tggttctcaa agtgggtttg aatgagtatt gttccaataa 300  
atgaacttat attcataaaa aaaaaaaaaa 329

<210> 1689  
<211> 1273  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1273)  
<223> n equals a,t,g, or c

<400> 1689  
tccgnaattc ccgggtcgac ccacgcgtcc ngtagtaac tacttcaatg atcatttcac 60  
aagaaaaaga ctataaatta agtagaganc aacattthta ttgaacattt ttggcttgca 120

1059

```

atcaaacttt gccactaaaa attaaacttca taaaacacta gtccgttatc aacttcttca 180
cagagaaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtgt ttttgtgaga agggtaaagt 480
tagtgagaaa gggttttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag tttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aacccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaaagga atttaataata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgaccta tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggt tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tgggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaaa aan 1273

```

&lt;210&gt; 1690

&lt;211&gt; 1020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (859)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (986)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1690

```

tttttttttt tttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatatatta ttaatatgct catgaacttc taagtgcac accagacata 240
tagactcttt actttaaaag agcatatatt taaggcattg aaatggatac agctatatattc 300
attctcaatt gtcttaggct attatatgga aagatatgtg tcaattatag gtaggtaggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaactctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatattg atgtggtatt gtgaaattca atgggtaaag 540
taaccctaatt gtgggaataa aagtcaaggg aaaggctctt aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaatttg aatacaggga gacagtgtgc aagaaagcaa 660
gccaggaatc tgccatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcctc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

```

## 1060

```

agacatgtaa ggcaactgtnc atgtaacaag taggggaaaag actctgggag cacattagtg 900
ttgggtgtgt gccaaagcccg tgggttggtt ggaccgtaag ggatkatttc aagttaggga 960
gggagggaag agaagktggg cwttgnttat taaaggttgt tgttacacac cttagggttt 1020

```

<210> 1691

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<400> 1691

```

caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60
aaggctttag agagcagcat aaatgttgac atgggacatt tgctcatgga attggagctc 120
gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaac 180
aaggatgaat taagtttttt ttaaaaaaga aacatttggg aaggggaatt gaggacactg 240
atatgggtct tgataaatgg ctctctggca atagtcaa atgtgtgaaag gtacttcaaa 300
tccttgaaga tttaccactt gtgttttgca agccagattt tcctgaaaac ccttgccatg 360
tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420
tagtgaaact cgtaattttg tagtgttgga gaagaactga aatcatactt cttagggtta 480
tgattaagta atgataactg gaaacttcag cggttttatat aagcttgtat tcctttttct 540
ctcctctccc catgatgttt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600
tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660
cccattcaac atctagttag cagtcaggaa agagaacttc cagatcctgg aaatcagggt 720
tagtattgtc caggtctacc aaaaatctca atatttcaga taatcacaat acatccctta 780
cctgggaaaag ggctgttata atctttcaca ggggacagga tgggtccctt gatgaagaag 840
ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagacctttg aactagagtt 900
tagctggaaa agtatgttag tgcaaattgt cacaggacag cccttctttc cacagaagct 960
ccaggtagag ggtgtgtaag tagataggcc atgggcactg tgggtagaca cacatgaagt 1020
ccaagcattt agatgtatag gttgatgggt gtatgttttc aggctagatg tatgtacttc 1080
atgctgtcta cactaagaga gaatgagaga cacactgaag aagcaccmat catgaattag 1140
ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200
ttttaataat gtttcaaaaa tatataacaa tgctgtatgt taaaagaatg attatgaatt 1260
acatttgtat aaaataattt ttatatttga aatattgact ttttatggca ctagtatattc 1320
tatgaaatat tatgttaaaa ctgggacagg ggagaacctt ggggtgatatt aaccaggggc 1380
catgaatcac cttttgggtc ggagggaagc cttggggctg atgcagttgt tgcccacagc 1440
tgtatgattc ccagccagca cagcctctta gatgcagttc tgaagaagat ggtaccacca 1500
gtctgactgt ttccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560
actgcattat atttattact gtaagaaaat atcacttgtc aataaaatcc atacatttgt 1620
gtgaaaaaaa aaaaaa 1636

```

<210> 1692

<211> 835

1061

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (832)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (833)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (835)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1692

```
caaaaaaaaaag aaaggaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgtccca 120
gaaccctttt ttctaagccc catataaaaag gtagattaaa aaaacaaagt agcatgagtg 180
aaattgagag agggacagggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcataat tatgaaactg agtccaggta 300
agtgaatctg tccaagggtca cccagcaagg tatcagtagc cctgagggta aggactctga 360
taaggctcgg gaggggtcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420
tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttctttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aaccctgcrg gaggccgcct gcatccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaga agagaattgg atgagaggtc 780
tcggtggaag taaagggttt ctggcatttg tcaaggaaaa aaaaaaaaaa annan 835
```

&lt;210&gt; 1693

&lt;211&gt; 607

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (513)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (585)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1062

&lt;222&gt; (597)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1693

```

gttttgaccct acgtggaagc ctacaagaag ggggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtattttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcgggctaaa 180
atcaggaact ggtattaatg cattttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaattt gagggtcac aaccattgtg aactcatcaa 300
agtttagtagc acttaaaatt tgctttttaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaagg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcctgaactt cccatcacc caagagtggg tctgaaacgc cttanagtgg cattcangac 600
ccttctg 607

```

&lt;210&gt; 1694

&lt;211&gt; 1273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (838)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1694

```

ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaataaat gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgatcaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaaagg 240
agttcatgta gtttttgtcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaaagacc aaagggaaaag 420
atgccaaaaga tggaaagaag gactccagtg ctgccaacc agggttgga ttttcagttg 480
acaatacgtat caaacggcca aaccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atattatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaatctca 720
tgacactggc tctaagtga aattcactta ccagtttgcc tgactctctt gataaacttga 780
agaagctgcy gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctg attctctcac cactctttac cttcgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgct aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctcatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataaccaa ccttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aatcatttt tca 1273

```

&lt;210&gt; 1695

## 1063

<211> 800  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 1695  
ctatgggtgtg ncctgtactg gcacttttat tctgggttttg acttgactta gatttgtntga 60  
tacttttgggt ttgggttttgg ttttgacctg gcttggggttt ttgggatactc tgatttttgggt 120  
ttgggtgtaaa ctgcaaaagt gtgtgtgtccc tgttttttttg ttttgtagtg caygtgtgggt 180  
gtgrgygtgg tgttttgtct cgaagaagca tgggtcagggt acaaataagc ccacccact 240  
aggaactatg ttaaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300  
acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttgg 360  
ccatcagaag gaagcctgga caggtcctctt gtttcaaagg tatgacacaa ggtaaccctgt 420  
aagccaaggc acccagacca gtttccatac atagaaagtt acagctgctt ttataccccc 480  
ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaag 540  
accagtagag agaaaaaaaa gccatctata ccaattctaa gttaatttag actaaacaag 600  
gtcttaatag caaaggataa ttgaaatccc aaacttacaa ggttttcaac aaaagtgaag 660  
tttgcttaaa gttaacagtg taacatgtat tatggtaact tctaattctt tggccttaga 720  
cagtctagtc caaaggcata aagaaagttt gcttttaaaa aaaaaaaaaag gaatgggttat 780  
cttcaaaaaa aaaaaaaaaag 800

<210> 1696  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<400> 1696  
ccagcacttt gggaggccga ggcagggtgga ttacctgagg tcagcagttc gagaccagcc 60  
tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120  
cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgcagt 180  
gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240  
aaagtaaaat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

## 1064

```

agaagaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtggt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

```

<210> 1697

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<400> 1697

```

cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccacgtcctt tcttgtgagg ccaagcctga aaatgcgaag cagagaggca 120
ggacaaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggtg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttggaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

```

<210> 1698

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

1065

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<400> 1698  
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60  
tattataaga gattgcaatt tctaagtttc tacctgagtg tttcacaaat acaaactgga 120  
cattttccct ttaaatgagt tttattataa aatgtacata ttgattgtaa aaacaaaaaa 180  
ttcaaatagt acaaaascac ataagtaact aataaaagct ccctttctgc attaggcccc 240  
tcagttcttc ccagggaata tgattaatag ttacattct tgcagaaatt ttttatgtat 300  
aaatttttac ccaaatgaat tcattatata aattttttcc aacttagtgt ttttttacat 360  
aataatagca agtttaaaaa ttgttcttca ggccangcac ggggtgggtca cgctgtttta 420  
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480  
tggccactgg tgaaaacnt ctctactaaa ttacaaaatc acttggttg gt 532

<210> 1699  
<211> 189  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 1699  
gcaacatttg tkaaaagtag agggctaaag taacacccct ctaagcattt gttttcagta 60  
cttcctagga gtggttgcat ttgggaatgg aattgttaaa acttgatgct taggagcgta 120  
tgctgactat tcaactgcgtg gtgggggtgga gaggaggagg aggtatgcag ggagaagggt 180  
tctgtgcnc 189

<210> 1700  
<211> 638  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)

1066

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (570)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (612)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (620)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1700

```

aattccccggg tcntccccacg cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgccccgaa gttcctcata aggtacagtg accattcagt tgagtctccc gtcagggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc ggggttttgga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctgggtgag taaagagttt tccaaatctt ggatcatgcgg aggggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtcctctnct ctcacttaag ttccagaaca 540
caagttggca aaagcctcag cgggcaactgn cctctgggtg ggggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

```

&lt;210&gt; 1701

&lt;211&gt; 695

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 1067

<221> misc feature  
 <222> (639)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (647)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (678)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (691)  
 <223> n equals a,t,g, or c

<400> 1701  
 ggccttggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60  
 gcttgctcgtg gtcactgtcg ccttcaccca ggagtacagg tcggagaaat ctctggaaga 120  
 gctgaccaag ctgggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180  
 gcttgctcga gaactgggtc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240  
 tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300  
 ggaagccgag ccatgtagta raacagacag ccccttgaca ggcgggtgggg amctcaccac 360  
 cctcagcaac atcgtcttca tkgggmcct rgtgcagtat gggargggcc arggggtcst 420  
 gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggtcgaaga 480  
 gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540  
 ctcctttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600  
 gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgcccc 660  
 ttcgtcgtca tgggtgacnct ggtcctggga ntgct 695

<210> 1702  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<400> 1702  
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 tggaaaggac aggggggtgat ggcagcctac ctggtgtccc ctacccacc tgttctcgga 180  
 gaaccaagtt gctacacagg aagtcttcca aggtccagtt tcctttctcc caccagtttg 240  
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 aggggttagtt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420  
 tgtttgaatc gagggggagg ggtggtaacc ggaaataaag acctccgatc ttccgcccc 480  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540  
 aaaaaa 545

<210> 1703

1068

<211> 1620  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1591)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1600)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (1608)  
<223> n equals a,t,g, or c

<400> 1703  
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tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac aactggggga 180  
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatatac acttaattag 240  
gcatcagagg acccactcag aaaagacctc ctagckagggt ccccatgtga ggagatctgc 300  
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aacacgagcc tgggcagAAC ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480  
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540  
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ccccttaggt ttgggaagggt acgagcctga aggattctgt ctttactggg gtcaaatctt 720  
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cccccttcac aggggtcgta tgagtaagggt gatttggaata ctgtcaactt acaaaggcac 1260  
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1069

ggccccaaca ttcttcttgt ttgcccgttt naggggtccn ttgggagntg gagggcttga 1620

<210> 1704

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 1704

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aagaaggagt	kaaggcttcc	tgacttgaaa	tgggactgac	tgaaccctgg	ggccacactt	180
aaaccagaaa	tgttatagtt	tagcagccct	ggcgtggtgg	gcagggtgcaa	attaaagggg	240
actttgggtg	gtggagggag	aggggaggat	gattcagacc	cttccccctgt	gggtgttagg	300
attactcagg	aactgagggt	naggggaagaa	gggnagagga	ggttgcaatt	attacaggga	360
tgacatagtt	agaaggcagg	cacgcatttt	tcaccgttng	ccctg		405

<210> 1705

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 1705

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cccgccctgt	tcatectccc	attaccaccg	ccccacaca	ctcacacgca	cacttacgca	120
cagatcattg	cagcggatga	gatggggcta	tgacagaagc	ctcaggctcg	tttctyctc	180
cctcctccag	ccccctcccg	gcttccagcc	cattctcttt	gcagctgggg	ttcctaccct	240
accctactcc	cagctccttt	tccccgcgga	tggagagatg	gactctgctg	cttaccacc	300
cactccccctg	caggggggtg	aggactgatt	cagctactgt	atccccactg	ctgtgactgg	360
aaatgggggt	ggggagtgac	tggctctttc	aaccctgggg	agttgaggaa	aatgtctgct	420
ttcacttcag	ctttcatttg	aatactgtga	tctggttttt	attttgaaat	gtataaaaag	480
caaaccagc	tacaaaggcc	ttttcacctt	tccactttgt	aactaatccc	agtctcttct	540
catcactcct	cctcttacag	tactctgcta	ttcatgctca	tttcatgttc	ttaatcttct	600
ttcctgttta	aaaatttttt	tttggaaaaa	atttgaaatc	atgggtcctt	tttctgctga	660
atatattcta	tatattatat	atatataaat	tatatatata	tatatacata	tatatgtctg	720
gctacctcgt	tttagtttac	tttttttctg	aagccctgga	attctacaag	agagatatatt	780
tgagactgaa	acatgtttgt	gcctagactg	gaaagatgcc	cttgggtttg	tccgtcttty	840



## 1070

```

tgtgttggck tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttgaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt ttttgttga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgcctt accctcacc tcttccaagt 1080
tcccccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
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taacaaagat cctcttaaaa cgtttatatt cttacagtaa aagggttaaac tgatatttat 1500
ataataaaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

```

&lt;210&gt; 1706

&lt;211&gt; 1442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1706

```

aaaaaaaaactc tctaatacagt tgtacacaca ttgaaactta tagccatggc cagattttat 60
gctaaaaaatg gtagtttgtc aaagacaaaa ttctcttaga atctaatacca acttgccagc 120
cctgagaaaaa tccctttttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttgattg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atttggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggc cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaaatt agaatacacac agtcagtact acaagcaaaa cagagaacct gaaagaaggc 480
gcacagactg taagaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
agggtttttt tttgtttttt tgttttttgg gttttttttt tttactgcag aaaattgggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaaat 720
tggtatttag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aattttttta atcagtattg tttttacaag taatataact tgaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaataca 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaag tgttaatccc 960
tctcagggtc tctgggtgaag accttcaaga gtttggtttt ttctcccagg aaattggaag 1020
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atttatgcc aagtccttaca gagtttatac ttgaatagta aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acattttttt ttcttctttt tccacccctt cttgtttgta 1200
gttcattata cctgtcctat tacagaactg atttcttccc tggctgtaca tgttgggggtg 1260
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aatatatata tatataaata tatatgtagg atacatgttc tcttcttttag cttgtgggtga 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgcct tttttgacta aaaaaaaaaa 1440
aa 1442

```

&lt;210&gt; 1707

&lt;211&gt; 808

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1071

&lt;400&gt; 1707

```
gtttcagggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagtctct cacaacacag atgtggaaag tataatttta ttttgtatt ttcaaataaa 120
taagtttgtg aaagggttcc atcctctact gtgggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaata ctactacaa aagttccaga 240
gcctccctcg aagggttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tctctttaag tagcgtgggc tagccaatct gccgttcatt gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac ccttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt atttttttta tatatatata tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtgggcttt cttaaagccc 600
tggtgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatatatt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggt 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaaataaa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 808
```

&lt;210&gt; 1708

&lt;211&gt; 1055

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (996)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1010)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1025)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1030)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1708

```
gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttcttga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtggtccaa acgcaaggcg aaggagatgc agcagatggg 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaaccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctgtt tttttgttt cttttatgtg taaacaagat gatattctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540
```

## 1072

```

caaccattga taatacaact taaacatggt tgctataaaa taccatcaca agtaaagag 600
cttggtgtga acaactctcc ttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgc ttagcaattt catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
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catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtggg 1020
attgnaacgn tgtaatgtgc ccagataagg ttatc 1055

```

&lt;210&gt; 1709

&lt;211&gt; 1044

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1709

```

aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgct agagtgctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcgggt 120
ctgtaaacct taagggtgct gtgaaatgca gagcttata ccacagcagt aaacccaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatattgaa cacagttgct gatcgttgtg 240
aatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300
agttccacgt cctcccttat cgagtccttg ttcccccttc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caacccaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcgggtatct cttttcatta ctacagtgat taggggtgagg 660
cacaaagagt ttcttgatca tccagagAAC attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtattt aaacactag cagccagatc tgctgccatg atgcctattt 780
ggtgtgtttc tgattaaaat gaaatcacia gctgccttgt ttagcctgct ttacattgta 840
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cattattatc tattttttaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagagggc atgatggctc 1020
acacggtata atcctaattgc ttg 1044

```

&lt;210&gt; 1710

&lt;211&gt; 895

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (863)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (883)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1073

&lt;221&gt; misc feature

&lt;222&gt; (889)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1710

```
aattcggctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaactacc ttagctgcat agtggaagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
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acacaactaa aaactcatgt cttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttattttctt tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatccccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atggttgacta ttttacagcc actggagtta actaacctt ccttgtatct gtcttcccag 600
gagagaatga agcaaaacag gaatttgggt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttgtt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaagggtg taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt      895
```

&lt;210&gt; 1711

&lt;211&gt; 1614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1606)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1614)

&lt;223&gt; n equals a,t,g, or c

1074

&lt;400&gt; 1711

```
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg ttatcatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctaccaa tagtagagca taccacttga agaaggaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggaggggtt gggcagagcg aagaccggc caggaccttg gtgagatggr 300
gtgccgccc cctcctgctg atactcttgg agagtgttgc ccccgagggg ctncctgscac 360
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agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtagggtg 600
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ggtgctgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
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atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaat gtcaaggcag ttgcttgtgt ttaactgtga acaataaaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg gggn 1614
```

&lt;210&gt; 1712

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (517)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1712

```
aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60
```

## 1075

```

ctaaagatgt agagccctct gctggggctg aggaggagct gtgggggtgct ttctaagtag 120
actttccacc agcccgctctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatggt actgttaagg ctttttcctt cattttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgctgtca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcactctaagt gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

```

<210> 1713

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (724)

<223> n equals a,t,g, or c

<400> 1713

```

gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatggt ggaatatttg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacagggg gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atttagatga atgtttttgt tctagggtga ctcaggtaac acgtcttnca agaagccata 480
ggggagggtt gagggaggga agtcaagaag ggagggttag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ccttttgctt ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

```

<210> 1714

<211> 1595

1076

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1592)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1595)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1714

```
ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaag 60
actcagagga gagagataag gaaggaaagt agtgatggat ctcatcccaa acttggccgt 120
ggaaaacctgg cttctcctgg ctgtcagcct gatactcctc tatctatatg gaacccgtac 180
acatggacttt tttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360
atcaaaacag tgctagttaa agaattgtat tctgtcttca caaacccggag kcctttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagaccctt ttgtggagag cactaagaag 720
ttcctaaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccgattt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaatttttta 840
agtaaatctg taaacagaat gaagaaaagt cgcctyaacg acaaacaaaa ggtaaaatct 900
gatggtggtt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgttttaga caagagaagc 1020
catttggtag aaataaagaa ggagattggg gaaggagatg agaattgagc agagagatag 1080
catttaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
taaaatttta ccacttctct tycctttaat aaattgtcaa aggataaagt ttcctgtttg 1200
aaaaatatatt ttactgggat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
actgctgaca tgtagtgtgt ggtaaatgtg agtgtttcac agcctggagt gaacaggggt 1380
cttctctgag aattgagggt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500
aagattatat agagtttgag aatgttggaa tatttgaaaa tgctccccc aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595
```

&lt;210&gt; 1715

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

1077

&lt;400&gt; 1715

```

aaagtagggg ccggaattcc cgggtcgacc cgcgcgtccg cttgctagtg tcccctgatg 60
catgaaggat ccccccatgt cataggtccc acctgcctgc tgtgcatccc gggtagccag 120
actcggcttc tccaggtgca cttgtcccag gtggccccgt cgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca cccactctc tccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgatg atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag ggggtggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatatt tattaaacag taaaaaaaaa a 591

```

&lt;210&gt; 1716

&lt;211&gt; 1974

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1716

```

tacttttatc tttcaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaac tggaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttggttaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttgttta ttgaattgca aagttttatt ttaaatcagc atttcccca 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtggtgttt tgctgggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt cattgtgggt cttcaaggcg aaatccgggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatt gagcatcttg tgaagctagt 540
gggttttttt gtgtgtgtta tttgtttttt ttttttaatt ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagcttttg tgcatttgta aatttatatt cactctttca ctatataatt 720
tcaaaatcac tggaaatgtg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aaggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaaagattc tattatata 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta tttataattt aggaaaaatat atttgaataa aattaatgca ttttctagag 1080
taaattaaaa tgttatttagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaataa tcaattttcca 1200
atactcattt ctttcttatt ttgaattcaa gttacaatga ctttactact tagattttta 1260
tcttgtctga tgtgtgctgg tgtgtatgac acaaactcat aagtctggat catgcttggg 1320
tacagtcaat gaatcaaccg agtcactttg aggaatttgt ttttgtccaa tttgctctgt 1380
gctcaatccc atgaattatt aaatttacaa tgtttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt tttaatctgt actttatggg aagttgccta tttgtcagta gatgtgggta 1500
agtgagtcct ctgggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatatgt gtttttcttt ctctgacttg aactaagtag gagaaaccaa 1620
accataaac tattacaaac taccaggca gaggcattta ctttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtagaaaag ttttaaaatt aatggkcagg gcctttcttg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagacca tgaatattat 1920

```



## 1078

gtaaaatttta tatatgaatt aaataaatat tcmctctga aaaaaaaaaa aaaa 1974

<210> 1717

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 1717

```
cganacntcc tcaactaaagg gancaaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc ttctttctcc cgcgcttctt 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcggaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgcacatc 540
tgtggggggg attttcctg                                     559
```

<210> 1718

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1079

&lt;222&gt; (831)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1718

```
tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtgt ggctgcagtt taactttgca ctctctatgc atatgagggt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gtcatttttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaaata ctcaagttat tatgtgtata cattgggtttt agttttatga aacaattttac 300
cttcatgatc tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaaattt ctaaaggcag tttctgttgt ttttaattagt atttgtgtag ttcaaaccag 420
gaaggattttg actatcatta gattttgtct aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggtcctatag catctttact actgattttt ttttktttta 540
tttgaaaatg caaagaattg ttaaagtgtc ttaaagtgtc tcaactacaaa aaaagaaaaa 600
agataactac gtgagggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naac 834
```

&lt;210&gt; 1719

&lt;211&gt; 806

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1719

```
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgttttaaac tcttggaat taagtgttat tttttattac tgcagttgag agataacctt 120
tcagagggaaa acaagaggct aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgccaa aaatttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccetta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttgttgc 420
cctgttcccc aagcttgtca atgttttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgccccta cagaagtgtg tgcattggcc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta ttttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcattgcca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 806
```

&lt;210&gt; 1720

&lt;211&gt; 505

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (387)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1080

<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<400> 1720  
gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60  
cccacctcac tcccaattcc aggtagttag gcaggatgag gctgctccca gcccaactgcc 120  
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180  
cgctgtggg tgacgcatga tcctcaggag cagttcacca tgcgctgagc agggccagta 240  
ggaggcagct gtggaaggcc aggtacagca gcttcattgg caccaaataa gcctgacact 300  
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360  
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aaccctgac 420  
cctgtgttann gcaaaaaatg ttatttttaga aaaaaaggga aggttttttt aatactgacc 480  
taacttttng ttttattaaa ctnaa 505

<210> 1721  
<211> 679  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>

## 1081

<221> misc feature  
<222> (637)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (649)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (655)  
<223> n equals a,t,g, or c

<400> 1721  
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcgggtggcg gccgctctag 60  
aactagtgga tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120  
gcaggccccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180  
gcttcgcgac ggcagcggca agaaggtagc agtagctgat gtgcagtttg gcccctatgag 240  
atttcatcaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300  
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360  
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420  
tcctcgacag ctggatgcag aggcactgtg caggtctatc agatcatcaa aactctcaga 480  
aaacacagtt attgttgggt tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540  
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600  
caatgaactg ctccagctgg agtttggaga ggggtgcnatc acaactgana ctcanggctt 660  
gttacttaag tattcactg 679

<210> 1722  
<211> 619  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (562)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (595)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (613)

1082

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1722

```

gcggackcgt gggaccgagc ttggtaagca gaatagaaaa catccagaat gacatcagtc 60
tggttaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttggt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tggttggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagttta 360
ttcacaagtc agttttccgt gatctatgag gagtgatttc agacaattag ctaattgggt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acacttityca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcac ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccatta                                     619

```

&lt;210&gt; 1723

&lt;211&gt; 852

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1723

```

ggttactttc ctgcgattat aattcttccct tgactttggt cacttttagat gttttactag 60
tgagttttga tgactccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gccactcca aggggtggtt caggggtggt ttttcagkac 240
ttgtcccgaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
gggtggtgggc agcaaagca ctgcagagtc attttcttgg gtatggtggt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaaggt gccttctagt gaaatggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgaggggt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatacag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt                                     852

```

&lt;210&gt; 1724

&lt;211&gt; 697

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1724

```

catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccaactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc cttaaagctct agcccaaggc 120
tctctgactc cttcccgat ctattcggt tagcgactga agattgacgc tgcccgatcg 180
cctcggaaagt cccctggacc atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat cccctgttta atcgatacgg gggctaccca ctccacgttg cttctttttc 300
aagggcctgt ttcccttgcc ccataactg ttgtgggtat tgacggccaa gcttcaaaac 360
ccctgaaaaac tccccactc tgggtccaac ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgcccc cttcccttat taggccgaaa tattttaacc aaattatctg 480

```

## 1083

```

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcacc cttaccacaa gacctcctt 600
cagcttaatc tctcccactc taggttccca cgccgcccct aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

```

<210> 1725

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1725

```

ctgtgaggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgtctct tattactgcc tgggtgggat ggaagtccat tgacactgct gggagaagga 120
ggttcatgct ggccagtttg gatgaaagtc ttagctcccc acttgggtct ccctgacacc 180
actgcagtgg ggtgttgggg tgcccttcta cagccttttg agtgtgggat tctaggatcc 240
ccacttgacc ttccctgggt tgggcagagg ttttttcttt ggtgtctggt gggagtagag 300
cagctgtcat ctaaaagttt tctgtcttgc tgggacgtcc tgttctgggc ctttagctag 360
agagagcatt cttttgttag tactttttwt gctgtgtctg ttggcattty catgttgctg 420
gctttttcaa ctncaaactct gggatatatg ntgtaaaaag aaaaccca 468

```

<210> 1726

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1726

```

gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatggggtt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tggaagagtc aggcctccag atagcgttta 180
cttctccttt ctcccttgaa tcaactgtct asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaa 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaag ctcatagggtc ttgaggccag aaaagttagt 420
aggtggcggc tctggtcggt gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

```

<210> 1727

<211> 1897

<212> DNA

<213> Homo sapiens

1084

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1202)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1727

```
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg gggtgccctc 60
cctccccact tctcccgcca tgagccaggg aagtccgggg gactggggccc ccctagatcc 120
cacccccgga cccccagcat cccccaaccc ctctcgtgcat gagttacatc tctctcgcct 180
ccagagggtt aagttctgcc tcctgggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgtc ctctttctcc tctggccctt tgccctggctt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acgggggtgct 360
aggcctgagc cgcctgctgt ttttcctgct gggttccctc cggattcgcg ttcgtggcca 420
gcgagcctct cgccttcaag cccctgtcct tggttctgct ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagttgtg tcccagactg agaacctttc 540
cgttccctgtc attggagccc ttcttcgatt caaccaagcc atcctggtat cccggcatga 600
cccggcttct cgacgcagag tgggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tggccgcagt gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcac gcaggggtgc ctgtgcagcc tgtcctcatc cgctacccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaaa gtccctctggc 840
tcacagcctc tcagccctgc agcattgtgg atgtggagtt ccttccctgtg tatcacccca 900
gccctgagga gagcagggac cccaccctct atgccaaaca tgttcagagg gtcatggcac 960
aggctctggg cattccagcc accgaatgtg agtttgtagg gagcttacct gtgattgtgg 1020
tgggcccggc gaagggtggc ttggaaccac agctctggga actgggaaaa gtgcttcgga 1080
aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggcccg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tcctcagacg gtggctgggtg 1200
cntttggcta cttccagcag gataccaagg gtttgggtga cttccgagat gtggcccttg 1260
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tctttgctga agagcaagca gaggggtccca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct cctctgtca gttccagaac ttctccctcc 1500
atgacctact ctatgggaaa ctcttcagca cctacctgcg cccccacac acctctcgag 1560
gcacctccca gacaccaa at gcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aaggggagact gagtgccctc gcctctcacc cctctctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagcccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgttttttta agttgatttt aattttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897
```

&lt;210&gt; 1728

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1085

<222> (485)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (504)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (509)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<400> 1728  
 gcagatattt ttcataagat aaataccac agtgtatagt aatgaacctg gataataaat 60  
 atcttccagc aaatatttta cttagaagac gattatattt tttaaatttt gagattaatt 120  
 gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180  
 atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240  
 ttaataatgt tctgctgcta caaatgaga tggtggggtt aataatagaa ggaagtagca 300  
 ctgttgaaat agaattaaat gggctctgaa ttcatttggt attggaatca gaagtcgcga 360  
 gttctgaaag ggtaagggtt actgcaacat tgctaataaa taatttcaag atgaaatata 420  
 caaagatgag atccaagctc taacattttac ttgcaacatg aatatggnac tgggttcttc 480  
 tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

<210> 1729  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (45)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (51)  
 <223> n equals a,t,g, or c

<400> 1729  
 ccggtccgga attcccgggt cgaccacgc gtccggtaaa attgnttttt ntataccaat 60  
 atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120  
 tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaat ataacatatg 180  
 cagtaataaa ccatttggtt tactgctggt aaaaaaaaa 218

<210> 1730



1086

<211> 580  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (555)  
<223> n equals a,t,g, or c

<400> 1730  
gcaaaagtgt gcacagactg tgattttattc attgtggtct gtgactttaa cccatcattg 60  
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120  
ggagttattt ctggtagcag tagccactgg catcctagaa acacatggac atttgtagca 180  
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240  
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300  
atctctctgt actagcattt cagctttatg tgggaaagtt acccgttctc ctgcaagtac 360  
aatcaaccct tgatgactta agtattaatt attctgggtg taactcacc aagntttctt 420  
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480  
ggtaggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540  
twaatatctg ccaanaatct ggatttttag cccggtgcgg 580

<210> 1731  
<211> 637  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (586)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (593)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (616)  
<223> n equals a,t,g, or c

1087

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1731

```

ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
tcattttata ttcacattaa tcaagtctac atgtttcggt tagagtaaca ggaagatggt 120
aatacgccca gggaactatc tggaagtgtg gaaattggga tgaacaccgt gggtatactt 180
gttttgatct gcctgtgggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240
aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcaactttat 300
gtcatcagag ttgggatggc taccanaat aggggatcct ggagatttcc ctgtagacgc 360
tttgcattta taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
agaagaactc agcctgggta gaaatacgag gattaacatc agcacatatt catctccaaa 480
aaattttcct cccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
gggataccac aaatanaant ttgctctatt ttcttaa 637

```

&lt;210&gt; 1732

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1732

```

cacattttct tgcttctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60
tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
agtcttatta ggccactagt gggctggggg gtggggagaa ggggtggtgct gactgaatca 180
tttaagtgat tttaatttgt aatatatttg catgtattag ctgcttctac taatcactta 240
tttgccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
gtttcatatg cttctcacct tttattttat gtttgatgat tttaatattt ttcttgcate 360
agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
ccg 423

```

&lt;210&gt; 1733

&lt;211&gt; 1281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (426)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1277)

1088

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1278)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1733

```

agtttgctgg tcttccaata ccgaagaaag ggtggttggtg acaatacctc ttgcttctaa 60
agaatgtatt ataaaaacacc gcagatTTTT ttttttcctt aaaaaaact acctgatgct 120
ttccttggtc gtgggggattg tggtcacatg aagctctttc tgcatacagta ttaaggtgta 180
tatttgaatg tcctccccctc ccttttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgctcag aacatgctcc gcaaagtctt ccgcacacac 300
ttcttcccc tcaagcccat ttcttcccc aaccacaaag gtgtttgtga ttctcacc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tcaccagag 420
cttaancgtt gtctttcaaa caccctgagc ctctctaaac agccagtgc gacgttctct 480
ctgggcccacg aagccccctcg ggtcctcccc gtccccctgst ccgatgcata cctcagtgc 540
gaaccacaga atctctgcag cggaaacgcc gtgcatactt tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacia gcacacacia 840
ttttatccaa tgcaaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcaccgc cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttctctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat tttcgaggta 1080
aggagttttt ttttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaannaa a 1281

```

&lt;210&gt; 1734

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens .

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1734

```

gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg aggggtgaaca ctccaaagag gttattaaac catatgattg gacctatrc 180
rcagattata agggamcctt acttgagaa tctcttaagt taaaggttgw atctatatga 240
tctgttgtag gtacagaaaa attgaaagcc agaga 275

```

&lt;210&gt; 1735

&lt;211&gt; 1031

&lt;212&gt; DNA

1089

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (796)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (821)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (976)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1735

```

gagccaatct tgatggtggg tgtggcatta tgtgctcact ttattgagcc tatgttaatt 60
tcttttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
ctttttgcatt tttacctaac caaggaaacg ggccacacac cttgggtttag ggatggtgtg 180
atagcttacc ttccagtttt taagaaatgc ttccctrcaac tgctgtcaac cactgtattg 240
tctttaatga aactgttgt atcccatcct aattccttgta ctgaaatyat ttctcatgaa 300
agttttctcta atattttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagatttttag ttggttggat ttaatataca gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaaactac atcagtcaaa ttcagtgtat tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtaaaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttattttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tgggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttattttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga ccttttaaagg 1020
agccctaggg g 1031

```

&lt;210&gt; 1736

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

## 1090

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<400> 1736  
ccaactgccc gttcaaggcc atgggttggt tggggcccag gaagtgctga accatgtcct 60  
aagggaacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwggaa 120  
gaagaaattt gggaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180  
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240  
ggagacaagt gccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300  
caggtgccct gaggtggcn tagcagccca agtgatct 338

<210> 1737  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<400> 1737  
gacacacatt ataatctaata gagttaagga aaaatgcttt gattcctata caatttttct 60  
ataattgctt ttacacatct cattttcaga agcactcctt gttttttggt tgttattggt 120  
gctgttggct ttcttggttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180  
aggctttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240  
aagtggaaat tgaatctctc catgctgtgg aaaggggset tgaaaactcc ctacatgccc 300  
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360  
aagagctaca ggamttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420  
tnttca 426

<210> 1738  
<211> 792  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<400> 1738  
ctgcgggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60

## 1091

```

ctgagcccg   ctgaccctt   taatttttaa   gartgttcaa   tccgagatga   atcatttgaa   120
gtatTTTTat   atgtatatct   atttaaaact   aatatattat   taaagcttaa   ttgccatgcc   180
gtttatcttc   tctgaaagaa   cttcaaactct   tacctgccaa   catattcacc   atnawttatt   240
ttttaataacc   ttccatacaa   taactttttt   aaaamaacct   cagattgaaa   aagcaaccta   300
aattactttc   gctctctaata   cagcattttca   atgtattttat   ttttaaattgt   tctcaaaaag   360
taactaaaaa   attgtgtcgg   accctacttt   tgagaaatct   acgtttccca   agttttatgg   420
gaactggcta   ttctttgtcc   cggcacacct   tctcatctct   tcctttcaga   gcctaaaacc   480
tcatttgata   agcactccta   gtctctggcc   tgtggatcca   gtgctattct   gtcaccaacc   540
taagaatccc   aattgcacct   tctgtttctg   acagtcacag   gtgacagctg   tgattctata   600
atacagactg   gtgtcttaga   ggtaggaata   atacatgatt   atgaagcatc   accctgctaa   660
tacataataa   tgtcttttta   tattataagt   gattgagttt   agttcattty   aatacattgt   720
acatgaaaaa   atgaaaagta   gaacttttga   atacctttaat   caataaaatt   aattaccaa   780
aaaaaaaaaa   aa                                     792

```

&lt;210&gt; 1739

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1739

```

ctacccccct   gagactctgg   ctttctatct   tatagaacta   ttttaattgat   agtttaaaca   60
tgtataacct   ttactgggta   ttttctgttc   cccttatctt   gggagttcag   cataatgctg   120
tgcggatcag   gataacaagg   tcccactgag   gtgaaggagg   gaggtctggga   atgctacagc   180
ctggagtgga   ggtgtgattt   cagtaggtgg   aagggtgtct   tcctgaaagg   aattggcaga   240
agtagattct   tactgattca   gatacatctt   ccaccaactg   aaggaaggaa   ttattaaagc   300
caatggtgaa   caaagcattt   caagcatttt   ataggaagtg   actagatgag   gagatttttt   360
tcattccttt   tttaatcagc   aaaaaagaaa   ttagtattat   tgaattagca   gattcttcct   420
attctatatt   aagaaaagatt   taatttttgt   accaagggaag   gttaggtg                                     468

```

&lt;210&gt; 1740

&lt;211&gt; 107

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1740

```

gcaactagcc   acgagttgtg   tttcatctga   accttcaccc   ccctcctcct   ggggactatt   60
ttgaaaataaa   tctaagacat   cagggccagg   ctcagtgatg   ncttaga                                     107

```

&lt;210&gt; 1741

&lt;211&gt; 485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

1092

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1741

```

ggttttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtggcatag tagcagttgc agaatgaaac ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgcc gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt aggggtcaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatggtt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaat attgagggta aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta                                         485

```

&lt;210&gt; 1742

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (401)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1742

```

gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aacttttaga gatgaatcca aatcaataga gagcagagtc 120

```

## 1093

```

atagagagtt actgtcagag agcatccagt taaaggggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatattga agtattatac caaagtgtga cactgtcatt 240
ctgcgttttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcatttta caacatgcaa tatatttgta acgacctggc 360
atTTTTctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

```

&lt;210&gt; 1743

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1743

```

aagctgggtac gcctgcaggt accgggtccgg aattcccggg tcgaccacag cgctccgtnc 60
tgcgtccgcc caccggtccg gatctactga gtaaagaccc ctgcctttcc tcccggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagtg gttgtttttc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatgggat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

```

&lt;210&gt; 1744

&lt;211&gt; 953

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1744

```

gtccggaggc agcagtgtcc acctttcaga ccagtttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaatatt ctccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atcttttgatt cctaccttca 180
gacagagatg caccgggagc ctttgctcaa ttccacacaa agtgctccac accattttcc 240
agacagcttc cagggcaccc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attccccctg tttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgct ctccacgcc cagtacagct gcttctcctc 480
ggccaccacc tccatctgct actgcgcact gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac tttgccccct cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtaa cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagaccgc gtcacagcgc cactcctact 840
ttgtatgctc atagttttaa tttttgtagg aaactttcaa ttgttttact ttttgataaa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

```

&lt;210&gt; 1745

&lt;211&gt; 392

&lt;212&gt; DNA



## 1094

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 1745

```
agttgatcaa aacggaggga caaaaaacgg ggtgggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaatth tgcatataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tattttatata agacgtatac ggcaccttct 360
tcaaagtctt ccttttcaag aagggtgccgn at                                     392
```

<210> 1746

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

## 1095

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (515)  
<223> n equals a,t,g, or c

<400> 1746  
cctccctgca gnttgagatg tgtcnaagag acaggdtcta atacgactca ctatagggaa 60  
agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgagatc 120  
agttggcctt atttcctcag tggaaatcta ctactatga tgtggtagtt ggcggtgttg 180  
cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240  
tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccctg cctgggtttat 300  
tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360  
accggggagg ctgagggtgga aggattgctt gagcttggaa aattgagggt gcaktgagcc 420  
atgattgcac cactgcattc tagcctgcat gatgggaatg agtccctgcc taatttataaa 480  
aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747  
<211> 251  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<400> 1747  
agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcgga 60  
tgaaatgaaa aaaatmcttg cagaaaatag taggaaaatt rctgttttgc aagtgaatga 120  
aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180  
aaatgagaag caaaagaatg aattgtttgtc catggaagct gaagttttgtg aaaaaattgg 240  
gtgtttgcaa a 251

<210> 1748  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)

1096

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1748

```

gcatgtgnga gacgtgattc tggaagtga cgggtatcct gttgggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggctga gccacccctc tgctgaagc tggcagccag 120
gtctctgagg ggcttggaag cctggwticc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tactctcca gcctgagggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttctgc ccnncn 355

```

&lt;210&gt; 1749

&lt;211&gt; 832

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (777)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (791)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (799)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1749

```

gaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaa gttgcaatgg aaaaatgggt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacggtag 180
gagtataccc tgggtgcccc ggatgaagac ttgacctgac ccatgtatgt ttagattact 240
cacagataac aaaaagtatt ttcattcatga ttagttgcga aaacagtgtt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaagggtga ggagttagga gatagggtag ttcttccttg gctggctggc ttcatratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatgtgta tgacctcttt 600
ggagggttccc tgctgggtag ttatccttgt atctgatggg acccatctca atttaaaata 660
cttctgccag gggtcgggag gtttcatggc ttgttcatcc ccagcacttt tggggaggct 720
tcagagggtgc catttggctt tgagcccaa gaattttgag acccagccgg gggcaanccg 780
gggggtgaaa ncctctttnt tccccattaa aaattaccaa aaaattaggc cc 832

```

1097

<210> 1750  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<400> 1750  
ggagagatga gaatactatg aaaaatatat tttcaaaaaa gaggaaatta gaagttgcat 60  
gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120  
aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180  
aatatgataa tattttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240  
cagccatttt tcaacacaat gggaaaaaaa tggaatttgt ttctcggag tctgtcacty 300  
cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360  
cacaaaagga ctcaagttca aaccatggtg atgagtttga agataatctg ctgattggaa 420  
tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaaggga 480  
gcag 484

<210> 1751  
<211> 772  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (766)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (772)  
<223> n equals a,t,g, or c

## 1098

&lt;400&gt; 1751

```

gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggcttcttct ccttccccat 60
caccacgtg ctcagggacc ttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacccacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccggtca gcacctcca ctgnagcaca gagacaccct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgct ccctctacac 300
caacttgcca gccagccggc agctcagccc ttggagccc aagctctaca tgtctgctg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacgggtg acccaccatg aagtcccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

```

&lt;210&gt; 1752

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1752

```

tcgacccacg cgtccgacca gcatgaggta aagaaaagak gcataatggt tgcctttggt 60
ttgtttttat tttaaagccc aaggctcttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct cttcatgatt tgttgagggt ggaatgattt 180
ggcagtcctt gaaatttatt ttggggagga ggtggcagaa gagtggagtg taccagggtta 240
tgagatttct cttaacccac caacctaaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttggt tgca 384

```

&lt;210&gt; 1753

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1753

```

atgacacaga ggctgatgtn ttggggccttg tggcttcagg gacccctgat gtggccaggg 60

```

## 1099

ccatgactca caccctactc aggcattctgg cagcaaggcc ccctacccag gccagcacc 120  
agcatcagtg tcccycatgc ctgctgcccc ttccagggggt tctaacagga tgggggtggg 180  
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222

<210> 1754

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<400> 1754

aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60  
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatatttttag 120  
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180  
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240  
gtatgatcca gaaaataggt acggttttaa aatattttat atagaaaagc tacaaagtaa 300  
attgagcaat gctttttaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360  
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420  
aaacagttat ttttttataa ttaatctaca aagggaatta atattgttga cttttaaaac 480  
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540  
tgtttatttg gtttttggtt gtcattcgatt tacattgcca ctaataaacc atattgagaa 600  
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650

<210> 1755

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

## 1100

<220>  
 <221> misc feature  
 <222> (526)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (541)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (548)  
 <223> n equals a,t,g, or c

<400> 1755  
 agtggtccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60  
 ctytggcagc rcggacagga ccgtaagtgt ctggctggca gacacagggg agtgtgtgcr 120  
 cacgttcacg gccacagac gcaacgtgag cgccctcaag taccacgcgg gcaccttggt 180  
 cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240  
 ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300  
 caccgcctcg cagcagggcg ccttgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360  
 gcggtccccct ccgcccattg gcagcctctc gcggctcttc agcaacaagg tgggctgcgc 420  
 cgtcgcgccc ctgcagccgg cctgatcccc cggggccccct gcagacgcca gccacagac 480  
 ccagcggctc ccanagcgcc ccgncctgct acccgcggtg gtggcncccg atggcccggc 540  
 naggggcnag gagcgaggaa 560

<210> 1756  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (282)  
 <223> n equals a,t,g, or c

<400> 1756  
 ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttataccctt 60  
 gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacagggtact 120  
 tgttttattgt ctatttctac cactaaaatg gaagctccaa ctgctattag attaatctcc 180  
 ctcccagggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240  
 gaccttttaa ctaccttcaa aaatacaata aatatgatta tncatagact 289

<210> 1757  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<400> 1757

## 1101

```

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcgtggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggctttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgctcct tgcccttctgt cactccttc tgcctgggca 300
tgggtgcacg gaggtctgc tatggccagg aagaggcggg agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
ggggtgtgac                                     490

```

<210> 1758

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (837)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<400> 1758

```

agaattgaag gagagatggt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttsctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttcctcc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgagggtcaa ttgatactgc ttaaaaggcc cgggccgtag aagatgcccc 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsaggagttg tgcataataa ctatttartg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgata 420
tactgatata gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggctgg gggaggaggg gactggggag atgttggtca aatgatacaa aggttttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

```



## 1102

```

aacatatact tgaaaattgc tgagagtagt gtgagtgttc taccacaaaa aaatatgtgc 660
agtaatagat gttaattacc ttaatttagt catttcacaa tatgtacata tataaaaaata 720
tgttgtatgc catgagtata tataattatt atttgtgaat ttaaaaaata aaaataattt 780
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 840
aaaaaaaaana aaaaaa                                     855

```

```

<210> 1759
<211> 693
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

```

```

<400> 1759
tgacactata ttaggnacgc ctgccgggtac cggtcccggaa ttccccgggtc gacccacgcg 60
tccgggatct tctgcanttt acctctccgt atctcathtt ccttagattt tatatggttt 120
taatttaaaa gatctaaaag tacactgtaa atgcacagta tatggagggt atagtataat 180
agttacaggt cagcaacaaa tgtttgttct attttccctt ctccttgacg cctctcttgt 240
ctttccaggc aggtgagtag ttcatctgt gatcathtt gctctgtacc acctcctcat 300
ggcagtatgt tacagcagct tttctaccag agcataagga gtcttgcat tttgtggtaa 360
aagtcctttc tggagaagca gtacaggaag gtttctgggt tgctataacc aggatttttc 420
aacaacaaca ctattggtat ttggggctag ggtaattctt tgttgktggg gtggccaggt 480
tattgtagga tgtttcacag catccatacc tttatcatat tcgctycaag gtaagacaac 540
caaaaatgtc cccagacact gscaaatatc ccctggaggg caaagtttta tttgagcact 600
atttgctaaa atawtgktgt ggatgctatt tacataactg kgkgttcagt tatgaaaatg 660
cagagttgta catatatgat atatgtagtt ttc                                     693

```

```

<210> 1760
<211> 2726
<212> DNA
<213> Homo sapiens

```

```

<400> 1760
gaggcgctag aggcggggggc gccggggaggc gcgggcttgc tcctgggggtc tcggccttgg 60
ccggctggac ctgaccctag ggcgggcttgc gcagctgtcg ggacgtgact gcgttcagcc 120
gcgtcggggcg tgcttcccgag acttgcccaa gttcgggtgc cctagctgcc cctttgcagc 180
cgctggcccta cccggcccgcc ggggtgagaag gttgcgacgg gaggtgggtg gaactcgcca 240
gcgccggggac cgcggattgg ctgcctcggc tttctctttt ccccggtgggc tccggcggtga 300
ggcgctgaag cggccggcag ccggcgaccg gccctcaccg tccgccgggt tgcgctctgc 360
ttttgcggtg aggcgattgac cacgcccata tgaattggag ctctccgcca gtaggagttt 420
ccggaaggag tttgaatttt tgtgattttt atgcttgktt ggctcggtgga atatgttggg 480
atttatgttt gcctctgaac aagtgtcttg ctcacatcgt aaatgacttt ctctccgaaa 540
cgctaaatat tctttcccgcc aggagctcat atccttattt tccatgacag atcttaacga 600

```

## 1103

```

caatatatgc aaaagatata taaagatgat aactaatata gttatactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatata aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctgtt ttctgttgtt gttcctgttc tgatecgtctc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atztatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt ggggttcagg gtctctgtaat ggagctgtac ccacagaact 1020
ggccctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgctc tgctggagac 1140
acatgggctt cagaagtttg cccagttctg agtaaaagtt ctccaagact gataacaacc 1200
tgggagaaaag ttccagtttg taccaatgga ggagttacag tgggtggcct tgtctccagt 1260
ctccttgggt gtacctttgt gggcattgca tacttctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttggtggttt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcaactggc tgggtggtaaa cagcccaaca aataakgcaa ggcacatagc agggaaaccc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgctccca 1560
actgctgctt ggggtttttg gccagggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcctc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagygaa agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtccctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tcttattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagttg cccaaatgtt gtatctatct taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagtg agttttgtgg cctactccac 2160
atttgttctt ccttcctcag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttta ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgtgg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tggtttagca 2400
ctggcatcct gaacagttaa gagtcactgg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat ttttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggtg cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgattttctgt accttcttcc tcctgcccc tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

```

&lt;210&gt; 1761

&lt;211&gt; 1033

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1761

```

aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc caggtgggca 120
tgggttatctt ccagttttaa cagttcagaa taggggcatt tattttatca tattttaggg 180
tgggttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcagggtcc 240
agtacagtac taggagtcac aatactttat aatcaattaa ataaatagaa ccaactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataataca aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

```

## 1104

```

agaagaaaag atacctttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atgggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta ccagcttaa tctgtaaagt agcacttaaa tatactgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatatgc atttgtgcaa cttcaaaca 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaatttggg taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaatt cctcaaactg ttgggtgccat cagtgattta 900
caaacaatat tttgatattg cagatgactt gcttactgta ttgcatgtg tagaaaacag 960
ttttagaca atgattcttt ttttaataaaa tcaataaatt ctaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa 1033

```

&lt;210&gt; 1762

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1762

```

cctctcggcc gtaggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtatgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attattttaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttgtt aaaatggcaa 360
gtcatttcat ttgtgttaaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

```

&lt;210&gt; 1763

&lt;211&gt; 736

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1763

```

gactttctgt gtttacttgt atgaggaaaa acagyacata raggcattcca cagtatttaa 60

```

## 1105

```

tttgttttga taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctatttttatt tacactctat ttatryacat 180
taacatcttt yttaaattggg attattgtcc atatgcttta ttttttttat tccagtgtatt 240
tcccttttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttagggagagt aaaaagttat taacaactta tatttgtctc 360
acattagagg aatgggttaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggg 600
tgccttttga ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

```

&lt;210&gt; 1764

&lt;211&gt; 1371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1764

```

cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg ggggtgcact ttgaaaatat gttgcttttt ctcctgattg tattgaggct 240
gatatggaag ggttatttct ttctggccaa tacttttttg tattttctaaa tattgcaatc 300
ttgattttta ctattaaatt tgtaatttgt cagttctggc ttttttgcatt aaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatatct cctactgaaa gtttttgatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaat ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatata ctgttgcttt ctaatgttta ctaaaagttg 600
tgtttagaac aacagatttt aataggcatc ttcccttggt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaaag gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatattttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatattt ctcatataat ccacagggtga ccattgtgag 900
gtagatatat ttgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggg 960
tccctgatgt gttacctgct tctgctactg atccaaaactg cagaacttct cattcatccc 1020
caaggcctcc aggagctatc caatggggaa tcagctctaa aagggaaccag accaacgttt 1080
tccagccccct tcattctgta gcttccctct gtgtgaggaa aggatagaaa tggtcaggac 1140
atcatcatac aggctcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgctgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

```

&lt;210&gt; 1765

&lt;211&gt; 766

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

## 1106

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (738).

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (757)

<223> n equals a,t,g, or c

<400> 1765

```
tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcagggtgtcg ttgttttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catccccctcg ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccg caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgtcg 300
tggactcggg accatacccc aagaaattct ctcgtcaacg tggaaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgtct agtaaacctg gggaactgag aagagaatat 480
gaagaggaaa taagcaagggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacatata gaggttgttg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gagggaagta tctcggcttc tccctntgaa 720
ttccagaaaa atntggtncc agttacaccc aagtctngaa aaagga 766
```

<210> 1766

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1766

```
ggcagaggtg gagggcacgg aagggggttt mccattcatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tgggtgtccac aagcttccag gttgggggttg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctggggccgg cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttggaa acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttccctt ctgttgatga tcgttgtttt gtgtttgtgt tgtaacagtg 420
ggtggaggga ggggtgggtc tacatttgtt gcatgagtcg atgggtcaga acttttagtat 480
```

## 1107

```

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
ccccctctaat agctataaaag gcttttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttatttttt gtaggactta atggctaaga attagaacat agcaagggggg ctctctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa                                     736

```

```

<210> 1767
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<400> 1767
naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaagg gccctagtgc catgatttaa 120
atatttttat taccatttttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctctttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggattttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttccccctt gccaggagca tctgcatgtg gtacttctct tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttataaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                                     521

```

```

<210> 1768
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 1768
aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aattttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccattgttaat 300
catttttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atgggtggac aagcttttct gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct                                     453

```

1108

<210> 1769  
<211> 636  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (540)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (571)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (623)  
<223> n equals a,t,g, or c

<400> 1769  
ccctataggg aaagctggta cgctgcagg taccggtccg gaattcccgg gtcgacccac 60  
gcggtccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120  
tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180  
gatccagaag aacgaatggt ggcagctgct acagctttta cccacatctg tgcagggcag 240  
ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300  
tcaktagccc caggggaagcg acctgctctt cctgtgcaac tacagtaccc acatgtagaa 360  
agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420  
aagagaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480  
atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540  
gctggatgaa tgnacgttcc aggaagacaa ngaatcttca tttgatgggt cacaaaaaat 600  
taacctacca catgaatacc cangaatttc tcaaga 636

<210> 1770  
<211> 643  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

1109

&lt;222&gt; (632)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1770

```

tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa ctaaaggaac ttcagtctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaactct tcagraacct 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kgggtcccggg ctgtgtcttc 600
ttaactcttg ctgttggggg acccttcagg gnaagcttac cca 643

```

&lt;210&gt; 1771

&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (721)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (730)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1771

```

catattttaa aaaatatgtt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatatttaa cttatatcta gccatggtat tgaattcttc taattttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct tttcctatta tttacttttc ttgcattact aggctacttt ggacctttta 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatattgtgt taaatgtttt cattataaat ggggtgttcaa ttatatcaat tttattttct 420
gcatctaatt ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
catttttggg ttttccagaa acatcttttg attcctagaa taagccagat ttatcacaag 540
tggattatct ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggaggggtt 720
natttccctn cctt 734

```

&lt;210&gt; 1772

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



## 1110

&lt;400&gt; 1772

```

gcggaacgcgt gggaaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gcccagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatggttct 120
gatacttgaa caacgctata ttttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggttaattat tcataccaat gctaaactca 240
gtattttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttggttattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg cttagc                                     396

```

&lt;210&gt; 1773

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1773

```

gagcttttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gacccacacac caggtctatc tcattttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaat cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtc agaagtatct gccttttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggtcc agttattctc catctccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaaccagcgt aaccagtggt gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgaccc gtttggggtc tcatctctac ttctagggga atgaaacact 480
ctgagtggcc aggcctgtgt catgtgctaa ttcctagagc cagggaataa aggtctgagg 540
attcaggatg gggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtgggtctgt ctgctcgggc aaaacaagag atgccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaaata ataaacaata tataccttca 780
aaaaaa                                             786

```

&lt;210&gt; 1774

&lt;211&gt; 676

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1774

```

ggcacgagac tgaatattga aataatgtaa aagacctatt tcccgcctagc ttttaaccgat 60
ttgtcataaa cacctttctt gtatatgatt tttaaatggt tgctaaatat taaaaagaat 120
tcaatgtgtt tggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatacact taatctatat ccatatattg tactccacca atatttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttggtta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttcctcccaa 360
tttaagtttt tctgggtttt tttttcccc ttctagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctgcaactat aggttttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa                                             676

```

&lt;210&gt; 1775

&lt;211&gt; 423

## 1111

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (338)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (359)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (378)  
 <223> n equals a,t,g, or c

<400> 1775  
 ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60  
 tccattgtaa ttactctgga tttaaataga actggtctcg tagcacaaga attcctgata 120  
 gcaagatact ttccataaga taccttcaac ccggttaatt ttttttctgt atctgataag 180  
 gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240  
 caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300  
 tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360  
 tagggatatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420  
 aac 423

<210> 1776  
 <211> 671  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (52)  
 <223> n equals a,t,g, or c

<400> 1776  
 acgttggtga aaactgcttt cccctttgaa tgggtcttggc ccccttggtg anagtcactg 60  
 cagcataaga gttagccttc atctctgggc tctcctctcc tgtgactccc gtaatgtttt 120  
 actcatccac ttcattggtgg accaccctct ggctctgtcc actctgccac ttttttcctc 180  
 tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240  
 ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300  
 ctcttctagt yccatttgat caccttcata attcctatct kttgataycc tcattgtgtt 360  
 cctctgtgat tttcctgact tcctgtagtt ctgtgtccat ggcttccttc agttcttcga 420  
 gcacatttaa gacagtcggt ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480  
 tgggcatgtt tttgtcagtt aaatattttt ctttgaatga gtcataacct cctgttttat 540  
 ttgctttaga ttttaggtca ctaaaattttt ctttgtgtct aaactgctgt taaacctatc 600  
 cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccttatct 660  
 cctgtatctt t 671

1112

<210> 1777  
<211> 1779  
<212> DNA  
<213> Homo sapiens

<400> 1777  
gctcgtgccc ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60  
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120  
catacaaaat tagcattatt agtactgcat tatcttgtgc tcttacaatg ttttgtgtat 180  
atgtatactg attttctact tagaatgtaa ctgttggttt gtcaagtgtc tttttcccc 240  
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300  
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360  
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420  
cattcaggaa aggttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480  
gwgatatgcc atttgtagct gggaaggtra gttggtcaaa ctccggattc tttttataca 540  
acattgatcc ctgaattaag tccctgcac tscaagtatg tctacaaatg gaaggaacat 600  
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtga 660  
tgtgaaaatg agatgtaggg aggttttttg ggattagggg agcaagggaag agatggggag 720  
gataccttaa agtagataaa gtatatgttg aaaggaagtg ataaaacaga gaccctaagt 780  
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtagt tttgtagcat 840  
tggattttta gtatcmtacc tgttgagtta catttagata taggtagata ttcgaataag 900  
cacgtagcac attctgcttg tcttcacatc cagatcattt ctaggactaa ttctccaaga 960  
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020  
gtcatatatc aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080  
gctgtttgtg ttgctggtgg ttttatattt agattccaac tagattgtta ttctggcatc 1140  
ttgggaagta aatgttcttc tgaattttgt atttgtttat atttatttat tttaaacccc 1200  
tagtaaatc gcagtgaat catggggaat ataataaatt agtgggtgaca agcatttgaa 1260  
aaaggtacag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320  
cagatttttt ttttcaataa gtatcttgga aaattttttg gagatttttg gcaatttgaa 1380  
aaaacttgca aactatagct tagaaatatc agaagttaag aaaaagttgg tatgtcatag 1440  
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500  
cacaagtttt ttttaattat aatttatcaa aacaatttgc acacagacta cgtgacgcca 1560  
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620  
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680  
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcatcttcaa 1740  
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779

<210> 1778  
<211> 559  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)

1113

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1778

```

aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaaccgaa aaggagatga aaatagacca 180
aktggagaaa ggcctgggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgcacac ccaataacag gacgggacaa tcagagatga cttgggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacacttctg gggggccagta gccaaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc                                     559

```

&lt;210&gt; 1779

&lt;211&gt; 786

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (749)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (758)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (770)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1779

```

gcaagtcctc cattyttcca ccattgattt ttectgccac agatattgac cgcattctcc 60
gtgctggcct tactttgcag gaagctcttg gagctttgca tcgagttggg gggaatgcag 120
accttgcact tcttgttttg ctgcacaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttta acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcgccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agattttttt taaagatttt ttctggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttggttaa atttaggcct ttttaaattg attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tgggaataaaa tggatgggtt tgtgtgtarc 480
atactgtttt agaattgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc acactgtgac tgtgtgtctg tgctgatggc 600
aaggatgggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttgggtg 660
ttggaattct acccagtgct ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa                                     786

```

&lt;210&gt; 1780

1114

<211> 688  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (634)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (652)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (657)  
 <223> n equals a,t,g, or c

<400> 1780  
 caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60  
 gtgcctgtaa tcccagctac ttgggagggt gaggcaggag aatcatttga acccaggagg 120  
 cagaggttgc agtgagccga gatcacacca ttgcaactca gcctgggcaa caagagcaaa 180  
 actccatcta aaaaaaaccc acattttcat gaatatcagc catcaacaat gcagaaagta 240  
 atagactagt cttctgaatt attaacccta gcaattgtca ccaagtgaaa acctygggtca 300  
 ctaaaacttc ttggaatagc attcaagggtc ttgctttaac acaaaacccc aaaacttggc 360  
 ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420  
 gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480  
 tacttggctg gaccaccagc aggttctact ccccggtgtt cttcrcagtt tgtcagttgg 540  
 gctgatttgg gtttgtcac agagtattca gccaaagatcc caagatcaag tatccaccgc 600  
 ggcccggggc ccaatcatct tgttttttaa acantcgttt tttgaggcag gntaggntat 660  
 ttcatttcca gatTTTTTcg tgttaccc 688

<210> 1781  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<400> 1781  
 aagtctattg gcatcctcga catcttttga tttgaaaact ttgagggttaa tcactttgaa 60  
 cagttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120  
 tctttagaac aactagaata tagccgggaa ggattagtgt ggggaagatat tgactggata 180  
 gacaatggag aatgcctgga cttgattgag aagaaaacttg gctcctagcc cttatcaatg 240  
 aagaaagcca ttttccctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300  
 atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360  
 actatgctgg agagggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

## 1115

```

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
cggcctac 548

```

<210> 1782

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1782

```

aaaaaaaaaa atctatatatt tatrgaaata ataaaaaaact aaccttagct tactgtaaat 60
tttctagttt agaaacttat ttaaaaaacaa tttttggact cttctagtaa taacgtagct 120
taaaacacac attgcatagc tgtacaaaaaa tatttttcctt atatccttat tatataagct 180
tttatctatt taaattttga attttttaaac tttttggtca aaaaccaaga caaacacact 240
agcctaggcc tatgcagggt caggatcaag acatccctag caggtgacag gaatttttca 300
actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420
ctatattgtg atattctttt caaaaataaag tttatttggg agataaaaaaa aaaaaaaaaa 480
aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cgggtttaacg 540
cggctnggaa cccggngtcc acttacc 567

```

<210> 1783

<211> 537

<212> DNA

<213> Homo sapiens

## 1116

&lt;400&gt; 1783

```
gcacctatga catagttaa ac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaa at tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat atatatgtatc 240
aactgaaatg tttccattcc gttgtttag ttaacatcat gaatggactt cttagctga 300
ttacccact gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaatttac catccattc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537
```

&lt;210&gt; 1784

&lt;211&gt; 614

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (574)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1784

```
tgggtcaatc tcaggttcca gtctcagaaa ctgcaggttg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatata tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tggtataagc catttgaaat tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccaccca ccttattgcc tttcctttga ggtaccgtgt gcgggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaaccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614
```

&lt;210&gt; 1785

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1117

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1785

```
aaaattaacc ctactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttcytg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctcttgga 300
gctgtggaca tgcagtcccc ctcaagtctgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgncccggt 420
tgtcactgaa aagccccgga taccaagaag tcaccacacn aaagtgggag aagaaataag 480
atggccttta tatcg 495
```

&lt;210&gt; 1786

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1786

```
ctgctgagag ttggtaaaga ggatggtcga gtgagatggt gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagaggggc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcagggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttatttttc 420
tttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584
```

&lt;210&gt; 1787

&lt;211&gt; 1333

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1238)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1271)

&lt;223&gt; n equals a,t,g, or c



1118

<220>  
 <221> misc feature  
 <222> (1298)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (1313)  
 <223> n equals a,t,g, or c

<400> 1787  
 ttttttagatc tgccttcttg ggatgtattc maggatgcta gccgtgtttg agactgtaaa 60  
 tatgtctagt gaatagggct tcaggctgtg tgtgtttgcc ttgttttgca cagaattcgg 120  
 cacagcccca agcacagatg ggtgcttcat aaatattgtt gaaggatgat gacacaaagg 180  
 attattttaat acctctgacc tcaggccaca aacatacttt caatgtgttt tacttctgaa 240  
 atcatttgaa ccaraatgtt tcagcaacac agattcatct gcaaccacaa atcagacaca 300  
 tttagaatga caaagcccca aaagaatgcc attttcaagg ctgaaactgt attattctgg 360  
 gctaaatgga atccttgttt tagtgacact gtaagagtag aaattaaaga cactgaaaat 420  
 cttcccttgg ggaaccacaa ttatctgtga acaatgaaag tttgtctgaa taattcatca 480  
 gcctcaaggg tacaggcctc cccttattct ggaatccag gagtttaggc aagtgtgtca 540  
 tttaatgggt ctcaactgtg tcctcagttg ttattattcc agggcctggc atttatgggc 600  
 acattcctat aattttacta attaaaaaaaa aataagctat atgggaaacc actgtcaagg 660  
 tcaaaatttt gaagctgcat tgattttacc taggaagaaa gaagcttata aagtgtccat 720  
 catgagaatc cacctgggac ctacacaaca gatcaaatac ccagaacaaa tcaccacgtc 780  
 agagcccccac agaattctga ttcccaacca acaagcatga gtaatccttt taaatgggtca 840  
 cttacatatc agaacaggct ctttgtgaaa tttctaagca aggcctctgg tttctgactg 900  
 aaacagagat ttattgagaa ggaggggtaa agtgaaatca agaactgtg ggaaatttcc 960  
 acaagaaaca aggacaaatg gtttttgttg tcagagtaaa accagcctcc cctagccatg 1020  
 gtttggaag ttatttgcta gccacaggg gacaatatc tcaactggtt tatcaggggac 1080  
 ccttttgatc caattatagt tattgggcag atacagtcctg taccctatta tcagragacc 1140  
 tagtttcaaw tcctgagtca accttytaaa ttcactgtgt gaccctggta caagtcaatt 1200  
 aagctctctg attcattggg tcaacatctt taatatgnng agagtaatgc ctatccccat 1260  
 accncataaa nttttgcaag gttcaagtgg gttgaaangt tcaaattttt ccnaattttt 1320  
 agatcccgga aag 1333

<210> 1788  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (32)  
 <223> n equals a,t,g, or c

<400> 1788  
 taatatthaag aaattcaata taactacatt tntataccgg ttaatgttcc acagtgtgtg 60  
 ttaaaatgta gttataacta wttttaattc caagggtgtt tttgcttttw ctttttaaata 120  
 ttttyctaata ttttgtcaga ttaactagat gaataaataa atctagtatt aaccgcatta 180  
 tgaattaaat aattttgatt taatgaaagg gataatatga tttccagtgt ttactgtagt 240  
 gtatcttgta cagataacat gtattttttaa agggaaaaaa acggaattga agctattttt 300

## 1119

```

tcttgcattt ctaattgacc tgaggacat tccgtttgaa atgtactgaa gttacagttt 360
ctgggttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaaat gttatgcatg gggtttttaa gaaaacaaag tgttcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa                                     550

```

<210> 1789

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<400> 1789

```

tcgtgggctt cccagcatac ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgttaacaac atgttgcatac tgtacgccag tatgctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg cctacactca taggaatcca ttttaagttta atggagaaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tgcaggattt atgggagttt atgggacttt 480
attta                                     485

```

<210> 1790

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

1120

<220>  
 <221> misc feature  
 <222> (496)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (520)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (537)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (542)  
 <223> n equals a,t,g, or c

<400> 1790  
 gcctacgcgt ccgcccacgc gtccggtgga acagtttctg ccagataatc ctgtttgggg 60  
 gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120  
 tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180  
 cagctcaacc ttggtagaaa cccgtggtgt tttgyttttt tttttgatgc ggggggaaaga 240  
 ctgcattttg tgacgaattt attacctaac agaaaagatct attttctcag tgataggcat 300  
 cacacaaggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360  
 gaagacaagc tatgtgtgtg tgttggttaa aattctattc tgcaagggtg gatctgctgc 420  
 tggaagttgg ggttggtctc caaganggaa tattaaaaat ttggaccaa tgctccttgc 480  
 aaaactaggc atattnttac ttggaacaat ttattttggn aaacattttc cccaatnttg 540  
 gnttttaaaa ccagcccaac ctttt 565

<210> 1791  
 <211> 914  
 <212> DNA  
 <213> Homo sapiens

<400> 1791  
 agaagttgta catattcaga gttttccatt ggcagtgcc aatttagacttg 60  
 tctgatcata acattgtaag cctgtagctt gccagctgc tgcttgggcc ccatttctgc 120  
 tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180  
 cgatggggaa ctcaacttct ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240  
 ttctcatcac ttccccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300  
 gtgatccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360  
 tatctctact tccagggacc atttgccctt cccaaatccc tccaggccag aactgactgg 420  
 agcaggcatg gccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480  
 gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540  
 cttgctgtcc cgggtgcacc tgcttccatc tcccagccca ccagccctct gccacctca 600  
 catgcctccc catggattgg ggcctcccag gccccacc ttatgtcaac ctgcacttct 660  
 tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

## 1121

```

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatttatgag taattttatt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttggtt 900
gtaaaaaaaa aaaa 914

```

```

<210> 1792
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

```

```

<400> 1792
ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgtttttaggt ttagtgtctt ttcttgtcc ctgctcgggg agcgtgaggc 120
agatcggccg gctttgtccc aggcctcagg agtgtcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

```

```

<210> 1793
<211> 1054
<212> DNA
<213> Homo sapiens

```

```

<400> 1793
aaatTTTTgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcacatga aatatttagt tgtcatataa 180
aaaccactg tttgagaatg atgctactct gatctaata atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttggtg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcatgtgtt 360
ccaatcacag ctcataggta gagcaaagaa aggggtggatg gattgaaaag attagcctct 420
gtctcgggtg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta ggggtgtgtt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcattgtgt gtaggttact 660
ctaactggtt ttgtcgacgt aaacatttaa agtgttata tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacatttttag 780
aaaaggatg tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcatg 840
aaggaaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggctgttgt tgcaggaaaa tgattataac taaaagctct ctgatatgtc agagacttac 1020

```

1122

cagaagacac aaggaattgg tactgaagag ctat

1054

&lt;210&gt; 1794

&lt;211&gt; 797

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1794

```
ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaatTTTgt 60
tagggcacia aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg atTTTcaatg actgtaaatt gcgataagga aatgtactga ttgccaatat 180
acccacccct cattacatca tcaggacttg aagccaaggg ttaaccagc aagctacaaa 240
gaggggtgtgt cacttgaaa ctcaatagtt gagtttggct gttgttgcag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggg caagagcatg aacgcacaa tagaaagaac tcgggggaaac atcccatcaa 540
caggactaca cacttgata tacattcttg agaacactgc aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgTTaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaa aaaaaaa 797
```

&lt;210&gt; 1795

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (203)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (218)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1795

```
acctttacct tctgtagtgc cctaattctag ggtctgtgac tagaaacca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120
```

## 1123

cacaatataa aagctatatc atattttrtt agagggattt ttttgctacc tttgctagta 180  
cttgacagat ttatataaat gttnnaataaa atttgggnct gagaaattgt ttccccccct 240  
tttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300  
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaagggt aagttctggg 360  
cagg 364

<210> 1796

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 1796

gacgcgtggg atttcaaagc tggggagatt tcatttatTT ccaaaatttt tcaaaaaact 60  
tttactcagt tctgctgwtA tttaattaact taagagtgtc cccatcccca tatttttagct 120  
ataggaaaaat tgtgctaccc ctgattcata tggaaattaaa aaaaaaatac atccctttat 180  
tttgagtTTT aagttgttat tttgctatac atttattact ggagtatctg gtggtctgaa 240  
atagtcaaaa gtagagttgg tattaaatgt tccaatgaca tttattttta atacttaaaa 300  
aatcatgtac tttgaaatat gtcaaagcaa cttctgataa tatacctgaa tttgtagttg 360  
tctcttgagc atcatttact tcatcttaga tatagtgaag atctaggaaa gctctatatg 420  
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgTTTT 480  
ggattttgtt tttagatctg catatttctt gtacatatgc atgcaaatga aagaagggag 540  
tttgtaactgg tgcmtttct ccttcagtt gctggTTaak ggggatttgc tagaaaaaat 600  
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660  
gggatgtggg ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720  
attatgttta ttataacatt tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780  
tagataaagc tatatacata tatttccctt aaaaatgtgt gtgtataata ggtaaacagc 840  
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900  
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960  
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020  
tattcttcat cttcaccacc ttctactggg cagtctttca tcacttaaaa aaaaaaatc 1080  
acacatcatt gtggTTTTTT tcccccttaa ttctgtctct tctagccaga agcatctggc 1140  
ttaagcatat ttcatcaact tctctgttat ttcttttaaa ggatctttat ctctgaaatt 1200  
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260  
attcatc 1267

<210> 1797

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 1797

1124

```
ggtcttagat tcagatagga gattcttctt aagatgctcc gtgttttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aaccctttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgcactgt ttggagctgt gaggaaaaaa aaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagaggggc cattttgggc 300
tctagattaa ggactttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaat 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463
```

&lt;210&gt; 1798

&lt;211&gt; 891

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1798

```
cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt tttgttttagc ttcattgagta tctttggaaa ataatttggt 120
gaatatatat gattatgaga tatttttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
cttttttagt gaaccaagac ccatcttctg gacgacagat ttatcttaag atgaaagggt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagttct aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggatggaa aagggtctggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tcaactgactc gtgtgttatc 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aatgggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaatt gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaactcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatatttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891
```

&lt;210&gt; 1799

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (398)

&lt;223&gt; n equals a,t,g, or c

1125

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<400> 1799  
accctatcag acgtgggctg tcccatcaa aatatctgta cttcttgctt ctgccctaca 60  
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120  
ccactgtatt tatttctttg gwtagtgggt caagaaattc tgttttcctg tagcaaatta 180  
ataaagcggt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240  
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300  
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360  
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420  
cgcgntttac aacg 434

<210> 1800  
<211> 449  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<400> 1800  
ctgttctgat atgctatccc tatttcatag tttaaatttaa aaccaaggaa ataaagtcct 60  
gtattagttt ttttcttcct tgaatatcat gattatagaa atctttgctg atgtggacct 120  
aaataagcgt gttgttgaga ctccaragt tctgtcctgg gtagtttaaa agtctcaatt 180  
ggccaaaact ttaatgaggt tttagtaaat cttaatacag aggaagggaa atttcaaaaag 240  
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300  
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtcctca 360  
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420  
ggatggaaga gtgtagaaag tgggcccaa 449

<210> 1801  
<211> 695  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>



1126

<221> misc feature  
<222> (619)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (655)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (658)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (668)  
<223> n equals a,t,g, or c

<400> 1801  
ggnaaatata attacattac tattttaacac ctagcaaagc tattgtaggg tgtttccttt 60  
tccactcaaa tatacacagc taggctaaaa aaagagattc cttttttggc tggcaagatg 120  
tttggggcatc agtaatatc ccatatcata cattgttata atgtccctga tagtatttaa 180  
agaaaggaat tgatattagc tagtgattac taacacagc aattctgtaa ctaaaggraa 240  
aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300  
attattttttg cagtatagtg gtatctattc aattttgaga aactataact gcttcacaaa 360  
cacttacatc aagctaataca gtatttgagc catccataaa cagactatgt agaaaagcca 420  
aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480  
gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatggggtt 540  
gaactgcaca ggtctactta tacacagatt ttttttttaa ccaaatgcag atcaaaaata 600  
cagtactgac aagatgcang aaccygkggt ttatgtgaaa tctctgtata ccaanaangg 660  
gcccgcantt tatttcttat tattaattgg ggggtt 695

<210> 1802  
<211> 910  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<400> 1802  
gctttctcca gctctgagga caataagcnt ggaaagcgtn tccgcacaaa ttccagaagc 60  
actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120

1127

```

ccagtgttaa tgcactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgaggtacc accaggctca tgcacactta gaccagaaaa acaagctgga gttcgagcct 240
gacagtgagg acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agtgaagcaa gcacaagtgt atctgtttat gaccagttga aggcaccggc atyccctggt 360
gctggaaacc cacctgggac cccaaagggg aagagagagc tgatgagcaa tggcccaggt 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctccggcagca 540
gacggcagtt tggctgctga gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aathtagtag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtgcctg gccatttgcc cctgccccag cccccactcc cccgcagcta 720
atcgctatac ccaactgcaac ctttacaacg accaccactg ggacaatacc cggactgccc 780
tccctcacia caactgtttg tcaggctaca ccaaagagtc ctccgtttaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggt gtcactcaaa 900
gacaaaaaga                                     910

```

&lt;210&gt; 1803

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1803

```

catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggt 60
gtttacttta ccctgggttc cgccttcttc cttgcctggt ggcctttcat gacatcataa 120
ttttgatctt cctttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatggtggtt attttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtcagcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatatt ttgtccgtaa agtacgggtg agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac attttttgtc gttaacatcc agagccactg acagggaggg 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

```

&lt;210&gt; 1804

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1804

```

cccaacccgg cactcacagc cccgcagcgc atcccggteg ccgcccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggaggtgcc a tgccggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggcctctggt gcggtggccg ggcgccccct cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgcctgcg c 231

```

&lt;210&gt; 1805

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

## 1128

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (382)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1805

```
cggacggtgg gtgagagatc tgggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagacccgt ggggatctga tgttccagtt tgaggggtgg gcnatggtga cccaggcggg 120
agctgrtggt ctagttktag ggccctacag ctggagaccc ggggargagc tgacgttccc 180
wttcgagggc tgtgcaggtg gagacctggg gaggartcga tgttggttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttgtgg agctggaaac 360
tcgcgaggga actggtattg gngtttcta 388
```

&lt;210&gt; 1806

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1806

```
aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctctra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggagggtc 120
agastcctgc cctgagaaac agcccagtc tgggagaatg aaaccctgag ggtcagtgag 180
tggaggcctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284
```

&lt;210&gt; 1807

&lt;211&gt; 334

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1807

```
gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt caggatgaatg tccacccttt tgatctagaa gcagactcac 120
aatTTTgttt gtttggcaaa tcagcctctg agctcaactt ccttgtctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaagg tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctgtt cttt 334
```

&lt;210&gt; 1808

&lt;211&gt; 921

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1129

<221> misc feature  
 <222> (486)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (812)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (845)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (876)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (888)  
 <223> n equals a,t,g, or c

<400> 1808  
 gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcaactgcctg 60  
 ctatgttcaa gacccggtag gtttaaatgct ctgtagtagc tataatgtaa atgtaccatg 120  
 aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgtc 180  
 aagcattatc tgtttgtgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240  
 ttaaaaaatga gaaagcaatc ttaagtctca taaatctaata ccaggatcct tctatcataa 300  
 acttaactgt cttgawtttt actgagatta gccmaaataca gagccaaaaa attccccctt 360  
 gcactaattt gttaccctta cattgacatt aaaggtttgg catttaatte tccatcttga 420  
 tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480  
 atgaanactc acttctgccaa aaatagttat agctattaaa ttctctctgtg ataacttttt 540  
 tgttttcccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600  
 agaatctgga tgtagattt aaatagattt gaattttaa ttaggtctgtg ctgggtacca 660  
 actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttctt cttctgtaaa 720  
 gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780  
 gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840  
 atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900  
 gctgaagggc tgcttaatgc c 921

<210> 1809  
 <211> 856  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (628)  
 <223> n equals a,t,g, or c

1130

<220>  
 <221> misc feature  
 <222> (764)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (805)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (817)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (837)  
 <223> n equals a,t,g, or c

<400> 1809  
 aaggaaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttattttt 60  
 cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120  
 aaatgaactt atggcagggtc taatcaaaaag gctaaatata atttcagaaa aggttctgat 180  
 actcttgttt ttgataaagc attttttcaa ctaaccatga attaagatga gtccatttgc 240  
 ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300  
 tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360  
 atcatatttg ctaagaaaatg tttctgctgt agttggattt gcccatattt atgtagggtgg 420  
 ttttaatttt ttaaatgggtg attagtgtta aaaatcaatt taaatcatga ctaatatggg 480  
 aaaaagataa agcatcaaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540  
 gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600  
 atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaaact 660  
 gagatatacgg tgactccgta ttatgactcc attagtgagc tgtgggtatgg gtaggatttt 720  
 ctacttcttc tgtactttta cctggagact atttttacta agnggcttta taatgggggt 780  
 taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840  
 tggaccaaaa ggggtac 856

<210> 1810  
 <211> 662  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (584)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (615)

## 1131

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 1810

```

tttaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaatt ttggtccttg tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataaggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaatgta ctaggaagta ctttgtaaaa ccaaacgggc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatggt 360
ctgtttttta acatgtaaag gttattttta tttgtttag attgtgttag catgctataa 420
atgttagaaa gttcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgtg gcctagtaga atttctgagt tttaaaattt 540
tttaataaat caaaatgtat ttatttgaat tcatatcctg gaantatata tgtatcttat 600
taaactctta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggg 660
gn 662

```

<210> 1811

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1811

```

tggaaaaagt attttaaaac cttcatcaat ggaaaaagtgg tttgggggttc ctgggtttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttcct cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaagggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgtctaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcgttc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt ggggggattgg aaaaaccact tcaactgttg ccagaatgag 360
agggttgatg aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcaaa tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaatagc ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

```

<210> 1812

<211> 615

<212> DNA

<213> Homo sapiens

<220>

1132

<221> misc feature  
 <222> (7)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (87)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (88)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (578)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (583)  
 <223> n equals a,t,g, or c

<400> 1812  
 tgggaanaat ctcaactcaat attttggcaa agctgggtacg cctgcaggta ccgggtccgga 60  
 attccccgggt cgacccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120  
 agatgggctt tgactctggg gtcaaagtga gataattgga ctatggacag tggctgggctg 180  
 gtcaccaaca atgggtgtttg aaacaaacat ttagaggcca tatttgggct tataaaaata 240  
 gttctggggc gtgcatggtg gctcacacct gcaatccag cactttggga ggctgaggac 300  
 agcggatttc ttgagctcag gagttgggag accagcctgg gcaacatggt gatacctgtc 360  
 tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420  
 agaaaggcag tgcataatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480  
 ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540  
 attggtgarg ctgtgtccaa gagcagtaag tggccaancc tgnccattact gttacccacc 600  
 tggcagttaa cccgg 615

<210> 1813  
 <211> 1205  
 <212> DNA  
 <213> Homo sapiens

<400> 1813  
 atttatttgg ctcttgggag ctccactga aagtgtgaa atgtcgtact gacacttcag 60  
 acttatagct acctagactc caagtaagat ttatctctga ctggagggtt tctcctatta 120  
 aaaaccaaag agtgtagggt gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180  
 gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccatgccctt 240  
 gaggaaagag aaattggacc agacaagtgc agtggaaact ttctaattgga tccatcaact 300  
 tcatcttgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360  
 gggctcagggg ggattcctct gaaatcgcag ctggaacatt tcgtaatagt tctggtactg 420  
 caccatata tactgtcacc tctactcttt cttccaatca ccattagcag atgccacag 480

## 1133

```

attcctactt ctgaaagttt ttggggcccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgttttattc catccacaaa tttgggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt ttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc tttggtgatt gcttttgata acactgagtg gctaaaggtc ttctttcaca 780
tctttgccc cctywaatcc tgaaggcaag gtctctggaa tttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggaggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggt tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttcattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

```

<210> 1814

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 1814

```

gcggaacgcgt gggcggtctgc gtggcttttag acaagtcttt taaccttgcgt gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tgggtgaagca 120
cctagctcag ggcctggaag gcagggtgtaa ccagtgggtc agttgttata aacgaacact 180
aaccctcgcc ttgtcacctc atgaatccag atatgtagat ggagsgcaca aagctagcag 240
gagccaagct cacgtgtgtc ctgcttttaa gcccataacc cctttctccg ggtgacaaac 300
acctgtgctc gttctcttcc cttccctctt tccccttgca tttggctaata aacaggccag 360

```



## 1134

```
ctgcctgcct ccctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcattctgc aacaggcccc agccaggcct 480
gaagtcattc tcagaaggga tggatcctga ggtcgccatg cccagctggg caaacatgag 540
tctggattct tncccgaggt cggctncctt ggctgtgang ctgganggag atgaactgnt 600
```

<210> 1815

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<400> 1815

```
aaaatgatat actactattg cttgtatatt gtgggtatacg gtgtcagggt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgttttaa aatattgaat 120
atthtcttca tttcaaatac tcccttttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actcctttgt gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaagatg gagaaaagca cattaaaaag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgtttttaga agtaatatat taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagtgt tcaatgaaaa gatgacatk aamcatttgt atgkcnctct taamctacct 540
attgactata ttaagccttt aatac 565
```

<210> 1816

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 1816

```
ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aaccaaggc 120
acctatcaaa aaatttttcaa ccaagtgatt ctgcatgaca agggccagca gtgctaggga 180
agaaacaaca ttctgttctt tggcccgta gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286
```

<210> 1817

<211> 1320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

## 1135

&lt;222&gt; (1304)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1817

```

gacgggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcacatga aaatgtcatc agctttgcc aagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaag 300
tacataaaaa ggattttaa ccgatttttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tctttttyyy 600
ttttcagggg gaaagggtca ccttaaaaaa aaattatttt cagggacttt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatattcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgccctg tgttggttgc atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacag 840
agtagtcttc cttttcccca cgttcagtgt aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca ccttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtggttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgcc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tcttttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtgtttgtg gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320

```

&lt;210&gt; 1818

&lt;211&gt; 821

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (816)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1818

```

acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaacccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcacccgggg 180
aggccggggg aggatcagga gggcagagaa ctatggaccc agagcagaag tggatgatgca 240
agatgtttgcc cccaacccag atgacccgga agatttccct gcgctgtctt gaaagagccc 300
tgtttcccag caccgcggag ctgcactgca cacctgtggg gagacttttc cagctggggc 360
aagggagtgca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggg gactgtgttt ttattgaagg aatttcaa at gaagaataat 540
gttttaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaaagga 600
ggttgtaaaa tagactccat ggagactcct aggaagcagt agattcccgg gggctgtgcc 660
tttagcgtta gaggaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaat taaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780

```

1136

aactckaggg ggggcccgtg cccaatcgcc ttgtgntgca t

821

&lt;210&gt; 1819

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (362)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1819

```
gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60
ttagggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120
gattcttcct cctcgaattg ttactgaaaa ggagtcctta aaattgaaaa tgtagcaga 180
gcatttttga gtgttacagg ctttggttaat ttttcattgt agtacctggt gctggcagag 240
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa ttagtcgtt 300
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360
tncaaatata                                     370
```

&lt;210&gt; 1820

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (389)

&lt;223&gt; n equals a,t,g, or c

1137

&lt;400&gt; 1820

```
ggaggagccc agcagagtc ctgggcagtc tgaccccttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctctctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagcccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gacccagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtccctgt ccttcttttc ctgggtgcac 300
gtgtcccctg ntgetaggcc tggggcaatc ctggggtggt ttggctggcc cttggggggt 360
gggcttntct cctgccancc tgccacagnt gcactattct ct 402
```

&lt;210&gt; 1821

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (294)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1821

```
gattttattg ttacagtga gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaatgag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgcgtg ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctgggt 300
taaaanagaa atgtattctc acaagtcggy aatcaagggt ttgacggy 348
```

&lt;210&gt; 1822

&lt;211&gt; 512

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

1138

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1822

```

aattcggcac gaggaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacia 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttggaaaa 180
tatacagcga ttagcagggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagagggttc ctcttccag aaggagcaac aggatttcca gatcagggca acactggtga 420
aaatacccgga cagaattcta caaggantat tgtatccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

```

&lt;210&gt; 1823

&lt;211&gt; 940

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1823

```

tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acaggctctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggatcatgtt 120
cagttttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgagggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtaggggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgagggtatta ggacgacat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttggggga taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaactgct tgttgagccc cttgtccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcagggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcggtg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgcttttt tttttaagcg tacaattgag tggtttttagt 840
aaattcacia acttggtcaa ccatcaccac tatctaattc cagactcacg ctttttttaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaat 940

```

&lt;210&gt; 1824

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 1139

<221> misc feature  
 <222> (19)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (73)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (163)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<400> 1824  
 gtgtctccacc gcggtgcgnc cgtcttagaa ctagtggatc ccccgggctt caggaattcg 60  
 gcacgagcac ctncgcagcc ataccagga gaaagtggta gcctgcccc cctgtggggg 120  
 catgtttgcc aacaatacca agttcttaga tcacatccgt cgncagacct cattggatca 180  
 gcagcacttc cagtgttctc actgttccaa gagatttggc acagagcggc tattgcggga 240  
 ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgt 300  
 gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360  
 tgastgttgt gactacagct gcaagaatct tatygacct cagaagcacc tggataccca 420  
 cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480  
 gctctatcaa gtcccattac cg 502

<210> 1825  
 <211> 641  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (38)  
 <223> n equals a,t,g, or c

<400> 1825  
 gagtgtgttc ctgtgggtgc ctcagctctt ctactttinaa tttaaccctt aaatatacag 60  
 tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120  
 tgagtaaat ctagatcttt ggaggttgat ttagaaagaa cgggtactgtt aaattctgag 180  
 tgtttttgtt tcagtggggg ggagttagta atagcttttc cttgtccaat aggaagtggg 240  
 taaattgcc aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300  
 aggaaagctg tcgagtaacc ctggaattgg ggctgggtgt gattctgttt gctcttggct 360  
 ggtgaggagg ctatgagttg gtatagccag tgggtcccagg atcctgaatg tgttgctaaa 420  
 ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480  
 ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540  
 gaggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

## 1140

cagattctta agcagatcca gattcttaag cagatatagc a

641

&lt;210&gt; 1826

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1826

```

tcctccaggt gactctctcn tcctggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag tttcccatgg accaaggaaa gaancttgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgctgtattc tattcatcaa aagcacttga 180
aaccaacca gatattgttca atggggagca tccatgtata gcccgaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaaag aataaaaaacc cttccacagc 300
catgtctata catattaatt attatttttca tctctccccg atatgtatat gttagtttta 360
trtggtgaat aatataaaac catttatctt tttcaaaatt gtagaattga aagaaagggg 420
aataggaggg catgctgaaa aaaaaaa 447

```

&lt;210&gt; 1827

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1827

```

tttttgaatc ttccttaagt ttataaatat ttattttttta aaagaagatg ctgtgcctgt 60
gagaccatac tttttttttt tttttttttt tttttttttt ttttggtgac tgcaaaggac 120
agagaacctt tccacttttg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtgcc a tcttgagaa gctccagggg cagggctgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtgggtgt cctgctgggg gctcatatcc agggacccaa aagggggggt gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttgggtcctgg ctgtggcgct 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

```

## 1141

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540  
gtccagggtt agggggagac agatctgtgg taaatctctg acttgggcag 590

<210> 1828

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1828

ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60  
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120  
ttagctcttt tagtcaatcc aagagattta agtgaccccc ccccccccggt gttttttttg 180  
tttttgtttt tgttttgaat gccatgtaaa ggcttttttg ttaagacctc acttttaaaa 240  
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatattg agctgccttc 300  
atactggttt cctcagcctt ccttcagcct gtaatatattt cagcccactg tttaccttgt 360  
ctcaataaaa ggtttctaata gccaaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420  
aaaaa 425

<210> 1829

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1829

gtattacaaa tcttattgta cgcattttgt actagagaaa aacctgaag cagttgctca 60  
aacctttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaatg taatgaattt 120  
ggaaaaacat tttttttcaa aaactacggc gtagaaaaaca tgaatttata ttgaaatgtg 180  
tttttgcaga tgcagtaagt atgaaaaata tttaatccaa aattgagtct atgtaaatat 240  
taaataattt acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300  
agtgttgagt ataaaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360  
gtagaagatt cctttgggag ag 382

<210> 1830

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1830

cagggtcgtt gcacaaatat ggccaattca aggagaaaaca gggcagataa tcccacagag 60  
ccggtgacac gcccatccta ttcctgagta gacagagcca tttccatcac tctcaggcct 120  
ctgtgggttaa ttggagctga caagggtccca tgcatagcag atgagattag tcccagctgg 180  
acgtttccca gaaatgggtcc tgggggtttcc agtaacctct caratrarat cacttgtcta 240  
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaaactg aatcatgttg 300  
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360  
tagagagtgg ggatttgtga gtgggtttcag gttttgtttt tgtttttctt ctcttggcac 420  
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagttc 480



1142

```

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
ggtggccttg gaacctcttg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttataaagt aacaactact 660
cgagaaaata gcctttttaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaaa gttcattgtk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

```

&lt;210&gt; 1831

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1831

```

nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggtc atgtgtggca ttgagagggg 120
agcagtgacc agaaccaccac aaggccacac agatgttttg aatgagggaa catttaatgt 180
catttgtag gagatagaaa ccaaataata aaggacaagg accacgctca ttccgtggag 240
aagaggtgaa ctccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgaggtca tcaggcctca gaaaacaatg tacacataat ctcggtgtgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatattgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgatagggt ttatgaattg ttttgagttg taaactccta taccctttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

```

&lt;210&gt; 1832

&lt;211&gt; 3266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1832

```

ggaccagcta agggaggcaa gaagaagaag gatcctaattg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggcac 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataattttaa tgacagtga 180
aagcagcctt acatcactaa ggcggcaaaag ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggg gcaaagggtc ctgctaaagt tgcccgga 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt gggtttacatg 540
aagtggccat ggtgtgtctg agcaccctga aactgtatca aagttgtaca tatttccaaa 600
cattttttaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc atttaaaagt gtttctggca ttttcttttt atttgtaagg tgggtgtaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

```

1143

```

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata tttttttttt 1020
taagtgcggg agttttttaa ctgtttgttt ttaaacaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcaactgc atcaatgaaa gttcaagaac ctctgtact taaacacgat 1140
tcgcaacgtt ctgttatttt ttttgtatgt ttagaatgct gaaatgtttt tgaagttaaa 1200
taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
ttcttttatt actcagtggc cagctcactt agggctgaga tgaaggagag ggctacttga 1380
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cattcactgg aaatgtagat tgatgttcaa tgttaaactg gaaggagctt ggtttgtgtg 1980
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gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

```

&lt;210&gt; 1833

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (848)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1833

1144

```

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatattctc tttgacatac atctcaacaa 120
aaaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tattttttat tgctctttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagtt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
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tccaaaaata tcccacacat gaaaaggagg gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaaggga tatattctta actgtggcta cccaacttgt 780
atagcaaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaaaaaa aaaaaaag                                     858

```

&lt;210&gt; 1834

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1834

```

ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttggt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tctgtgttg 180
gcatggaata actagatggg tttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gattggtaac tgctattttc aacagcagtc cccttan 297

```

&lt;210&gt; 1835

&lt;211&gt; 1258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1237)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1835

```

acaagatggc caaagggtgct aaagagattg atatcgagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt cccagtgag 120

```

1145

```

cggcagctca ggggcctcag gggagcccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccctgacctc acctttgcaa agttacagat gcaccccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgcccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggg 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtccccggacc 480
tgtggggccc cagagagggg acatttccct cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gcaactgcgt 600
gagcctggaa gggaagttag aaaccagccg accggccctg cccctcttcc cgggatcaact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccctt accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgcag aggcagctgt gtgggctgca 840
gatttcctgt gtgggggttca gcgtagaaaa cgcacctcca tcccgccctt cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagagggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cgggtgtgaga tatacaaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258

```

&lt;210&gt; 1836

&lt;211&gt; 761

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1836

```

cagaatttac ccctgacgcg gcggcggccc acgggaagct gtgtgtgctt aggtcgtggt 60
ggccccggtg gtgggtgggct ccgggcgggc tcgcgtcatc ctgccccgcg tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgcccc ggacgagcag 180
ggctttggcg gcgccttccc tgcaaggctc ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc cccagatat ccccggcagc cgcaacctgc actggggcga gaagagcccc 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcggcg gcggcagtggt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggatttg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattggt 480
ctacgccgcc aatgtcaggt taattacat gctcagcatt accatctcac tccatttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcaggagc ctagagccct gtggaaagga 600
atgggaagta catttattgt ccaggagtc acacttgagc cagaaggcat aattagttaa 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

```

&lt;210&gt; 1837

&lt;211&gt; 925

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 1146

<221> misc feature  
 <222> (114)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<400> 1837  
 aagacattgg accagagtgg agacgcgccc ttgtccccgg gagggggcgg ggcagcctcg 60  
 ggctgcggct cgaggccacg cccccgtgcc cagggcggggg ttcggggacc ggnntgccgg 120  
 cctcccttcc cctatggact cctcgacccc cctcctaccc ctccccctgc gcgctcgagg 180  
 acctcgctgg agccggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240  
 tgcagcactg agacacgagc cccctccccc agcccgtcac ccggggccgg ggcgaggggc 300  
 ccatttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360  
 cccaccccac cccacgcaca ttcttggtcc ggtegggtct ggcttggggg ccccccttct 420  
 ctgtttccct cgtttgtctc tatcccggcc tcttgtcgtc tctctgtagt gcctgtcttt 480  
 ccctatttgc ctctccttcc tctctgtcct gtctgtctct gtccctcggc cctccctggt 540  
 tttgtctagt ctccctgtct ctccctgattt cttctcttta ctcatctcc cgggcagggtc 600  
 ccactggaag gaccgactc tcccaaataa atccccacac gaacaaaatc caaaaccaa 660  
 tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720  
 ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780  
 attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840  
 cggaggagac tggcagacag gcttttatcc tctgagagac ttagagggtg ggaataatca 900  
 caaaaataaa atgatcataa tagct 925

<210> 1838  
 <211> 542  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (421)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (509)  
 <223> n equals a,t,g, or c

<400> 1838  
 ggcacgaggt tgaaaataac acattaggaa gtccagctgc ctacagagctt ttagagcatc 60  
 tcaaacctac ttattggttt tctgcccacc ttcatgtgaa gtttgccgcc ttgatgcagc 120  
 atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

## 1147

```

gcttaccaca tagagat tttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgcac agaagaaggt atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgoccaa cttggcatca 540
ta

```

&lt;210&gt; 1839

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1839

```

tgcctataaa attacactgc ctccaattat gaaattcagg gatcttgtac ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaatt ctaackgcaa gctagcttca gaacctgtga gaaccccacc 300
ccacccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at

```

&lt;210&gt; 1840

&lt;211&gt; 515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1840

```

ttaccctcac taaaggggnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggatcc cccgggctgc aggaattcgg cagcagccca gctcacccgc tgtcagctgg 120
ggtcctgctc tgggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctcccag gatgtgcamt ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc ggggtggctcg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagaggga caccttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgctg 420

```

## 1148

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480  
 atgtagcctg aagctctcat tttgtcaatc gaggg 515

<210> 1841

<211> 1027

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1022)

<223> n equals a,t,g, or c

<400> 1841

ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccgc 60  
 cgctgcgcag ccgaagccag tgcggggcct gagagggacg cgcgccccgg ggcccccgcc 120  
 gcggggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180  
 accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240  
 gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300  
 atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggacccagt 360  
 ggcctggctg atgagatcaa tttcgaggac ttcttgacca tcatgtccta cttccggccc 420  
 atcgacacca ccatggacga ggaacagggtg gagctgtccc ggaaggagaa gctgagattt 480  
 ctgtttccaca tgtacgactc ggacagcgac ggccgcacatca ctctggaaga atatcgaaat 540  
 gtggctcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600  
 gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660  
 gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720  
 accaagatgc acgtccgctt ccttaacatg gaaaccatgg cctcttgcca ctgaccacc 780  
 gccacctccg cggagaaact gcactttgca atggggccgc ctccccgct agctggagca 840  
 gcccaggccc ggcggacagc ctcttctctg agcgccggt catagccaag gctcgtctgc 900  
 gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960  
 aaaaaaaaaa ggtttgttaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020  
 anggggg 1027

<210> 1842

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1842

atcttgtggr akgttttaca gacaagttag ccaagacaca gataagttag gttacggggc 60  
 aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120  
 gcctttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180  
 gtgacacatc aaggagggat gtggttgacg caggctaaag gccataggaa gggaggagct 240  
 ggagactcca gggtcgcagc caccttgggtg ggctgggggtg gggcaggagg ccgcagcaac 300  
 agagacgggg tgggattgaa gaagtctttt ttttttctnt ttttttaaca aaagaaatag 360  
 aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

1149

cttgcttctg gggaggagct ggag

444

&lt;210&gt; 1843

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (523)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1843

```
gcctatttga atggaatcct gctctttgga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggtg 120
tgacggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaagggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gcccacacatt cacttgggaag aactctaaac ttcctaataa 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgtcgtcgtc ctcctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atgggtccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt ttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc                                     550
```

&lt;210&gt; 1844

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1844

```
caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtgggtg 60
tccagtccta gcccctcag tgcttgctgt tcacacttaa gcaagtraag gcctgaagggt 120
gcccagctgt gccctcagg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gagtggagct gcccgcag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgcctt gcatacttta atgatttgtc cacagaaaca 300
ccgggttgtc ttcctctgcc ctcct                                     326
```

&lt;210&gt; 1845

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (453)

&lt;223&gt; n equals a,t,g, or c



## 1150

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (561)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (570)  
 <223> n equals a,t,g, or c

<400> 1845  
 cgaaattaga aaaggtgatg aatttggagg aaggggaatt ggctgcacct gtttctgata 60  
 tgttcagaag cttaatgaat ataatttct aatttaaata aactgtttga ttgagaaaag 120  
 aggtagccac attattgttt agaaatgata gactgttatt gacttttggg gtagctggga 180  
 agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240  
 ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300  
 tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360  
 gcccttttca tgccttargt gctgatracc attccgttta tcataagcta tgtcattagt 420  
 ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcac catggatata 480  
 tagctagggt ggggccagat gatttgaaaa ttaacatatt gttatttagg gngccttggg 540  
 tttcatttta aggtggtttc nggcatectn gtttgaa 577

<210> 1846  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (190)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (194)  
 <223> n equals a,t,g, or c

<400> 1846  
 cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaacca 60  
 ttcacaactt tcactcttcc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120  
 gccctgtgc gtgatcctcc ttcccgagc caccarcca tggttgggtg ggtgaggcca 180  
 gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctsetg gcacgggagc 240  
 ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300  
 gctgtcactg gatttcctgg catggcagac agaaagaaa atagtttgac caagtcgtag 360  
 aagctgatcc agcgggtaaa aagggggcag ggaactcgtc ccttttattc ttgcctcaga 420

## 1151

```

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540
aatgaagggtg ccatcagcag gaggcactgt gaagcaccat cctgtcgtg tccttgtcca 600
ttcctagcaa gttaatcgtg tcttgtaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc 732

```

<210> 1847

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 1847

```

gcgggctctg agtgcctctk cccgtccggc cccagccgcg gcccggaat ctacgtcacc 60
cgaaaagcga ctataaacgc cggcgccctcc gtccccagcc gcggctcggg aatccacccg 120
aagagtggct ataaacgtcc gcgcctccat tgcgtctcc tcttcaacta ggacactggt 180
cctcccacgc ctgacaccga cgtcgccagg accgcggggt tgggggaaact tggctgtccc 240
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaaaa aaaaaaaaaa aancgagttt 300
tttttttttt ttttna 316

```

<210> 1848

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

1152

&lt;221&gt; misc feature

&lt;222&gt; (572)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1848

```

cgagcagtag  cgngaagnca  gacgnacgta  tagggaaagc  tggtagcct  gcaggtagcg  60
gtccggaatt  cccgggtcga  cccacgcgtc  cgggagaagt  gctcttttct  acttgtgggg  120
tctcccattg  gaaacataat  cctatagtc  cagaaggatt  cagtccccag  tggctttccc  180
atccaaagag  aaagagtttg  agtttcttaa  ctctgctgtt  ctgccactta  ctcccactag  240
acaaccaggg  acaaggtgca  acatggaagt  gtttgactta  agtaggagca  gaggagctgc  300
atctaatactc  atcatacctg  gaacttgaca  cacttaagca  aatgccttcc  catccctacc  360
tgccagatgc  ccccaactca  atgaagtgg  atgtctcacc  agcttgatac  ctttgaatt  420
ttcagtcaga  cattctggag  ttctagcatc  ctgtacctag  gaccttctc  tgtgtcactc  480
ttggcctcct  aaactctaag  aaaataacta  tattctggag  cttgggcagt  gtgttttgca  540
taatccagca  atctcctcat  gacatgcatg  tnttgatagt  cctgaaacat  tcattgagag  600
ggtaaatgca  gttgacctag  aatgaccaat  accaaacaga  attttaagaa  caggtggcca  660
actcctatgg  agcttactca  catattacta  ttcttttaag  aacggaaaag  taaaatt  717

```

&lt;210&gt; 1849

&lt;211&gt; 363

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1849

```

gggacgagga  agccaaggac  gaaaaggcag  agcccaacag  ggacaaatca  gttgggcctc  60
tccccagggc  ggacccggag  gtttcagaca  ttgaatccag  gattgcagcc  ctgagggccg  120
cagggtcac  ggtgaagccc  tcgggaaagc  cccggaggaa  gtcaaacctc  ccggtcttt  180
atgaggggac  tctgagcctc  tgctctgagg  atctgaaaca  cacacacctc  gacagtgtaa  240
aatccaaaag  gagccgcctg  aatcatgttg  cctcatgtgg  aaatcttagt  ccgccccac  300
gtgaagatgg  atgtgactag  aacggagggc  gccggaagct  yacatyanar  garctgctca  360
cgt  363

```

&lt;210&gt; 1850

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (507)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1850

```

gtaaaaatga  gacgaccacc  tctcggatta  aaaaaaaaaa  gtgccagagt  tctagggttc  60
taagtgatgt  ccaggaagga  ggaggaataa  tatttatgga  gcatatatta  tggaacacag  120
tgagtatagt  acctgccttt  aaatgaatac  tgttggtttt  ttaggacagt  tgcttttttt  180

```

## 1153

tcttttttct tcagctgtgt gcagttgatt aacttgtaca gagcctatca cacaatagat 240  
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300  
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360  
acctgagctc aaacgatacct ttcaccttat cctccagagt agctgggact acagtcgcgt 420  
gtcaacatgc ctggctaatt ttagttttct aattttttta gagttgggat ctcactatgt 480  
tgcttagact ggtcttgaac tcctggncctc atgccatcct cttgcctcag ctggta 536

<210> 1851

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1851

gcttgacctg cggcagtgca gcccttggga cttccctcgc cttccacctc ctgctcgtct 60  
gcttcacaag ctatcgctat ggtgttcgtg cgcaggccgt ggcccgcctt gaccacagtg 120  
cttctggccc tgctcgtctg cctaggggag ctggctgacg cctaccccat caaaccggag 180  
gctcccgagg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240  
tacctcaacc tggtcacccg gcagcgggat gggaaaagag acggcccgga cacgcttctt 300  
tccaaaacgt tcttccccga cggcgaggac cgccccgtca gtcgcggtaa aagcgcccg 360  
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420  
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480  
caaactgtgg tgaggaccct gaggctctgg gagnetgcca acagccagtc atttga 536

<210> 1852

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

1154

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1852

```

ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtg 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctctcctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac tcccccyctw 300
cctgctcaaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgctctgctg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcaggggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc tattttggca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtct atggttcagt ttcatgaacc cttggacca 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaaggtgg cccaaagagg 1020
acccacccca ctgttccagg gattccaggg ggaaccggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gaggggtcat gccttctagc 1140
tgtggctcca gccattgaa catcacagat acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaattg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaaccagg ttatccatat tctgatagtt cttctattct tgggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact ggggtggcct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcattac tgggtggagtt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaagtg gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatatttttg attctgtttg 1740
tggtgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatggtgt ttttacacta caaagaagtc ccccatgtgg atatttctta 1860
tactaattgt atcataaagc cgtttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaa aaaaaaaaaa aaaaa 2005

```

&lt;210&gt; 1853

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1853

```

gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatggtgga ggcggaaga 60
aagatcccg gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct tttgttttg gcaatgaaaa gagcatggac tttggggttg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttgttg gttatgagca acctaaacct 300
actctggcta acttaaacat aaaaggaatc tattgggata tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaagagg cagcagctga tagtatcttc 420

```

## 1155

```

agagtgctgc tgtcagaata aacctacaag ggckgttttc tctccttgtc ccaaccagat 480
caaggttcag attcctgaga aagaacctcc gtggtttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc 566

```

<210> 1854

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 1854

```

gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60
gcccccgac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgtttgt tctgacgagg cacagcgttt cttgcaagaa tgggaggggt ttaagtgcct 180
aaagtcaggg agagaaaaagg agacagtatt taaggaattt aagatcttga agtggaaaag 240
gcctanaaga 250

```

<210> 1855

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1143)

<223> n equals a,t,g, or c

<400> 1855

```

ggctaaataa gctatcgggc ccataccccg aaaatgttgg ttataccctt cccgtactaa 60
ttaatcccct ggcccaacct gtcacttact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gacttgattt tttacctgag taggcctaga aataaacatg ctagctttta 180
ttccagttct aaccaaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataatccttc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcattaata atcataatgg 360
ctatagcaat aaaactagga atagccccct ttcacttctg agtcccagag gttacccaag 420
gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcatatacca aatctctccc tcaactaaacg taagccttct cctcactctc tcaatcttat 540
ccatcatagc aggagttga ggtggattaa accaaaacca gctacgcaaa atcttagcat 600
actcctcaat taccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa tttaactatt tatattatcc taactactac cgcattccta ctactcaact 720
taaactccag caccagacc ctactactat ctgcacctg aaacaagcta acatgactaa 780
cacccttaat tccatccacc ctctctccc taggaggcct gccccgcta accggctttt 840

```

## 1156

```

tgcccaaagt ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct acttctacct acgcctaatac tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aaccaccccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
ctttttatact aataatctta taaaaaaaaa aaaaaaaaaa tcsagggggg gcccggtacc 1140
canttcgccc tatagttag 1159

```

&lt;210&gt; 1856

&lt;211&gt; 936

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1856

```

ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caaggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaactg ccacctaacc atgaggactt ggccaaagt gcaaagattg gcaactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttaccc 360
gatatcaggt tcttcttttag actgggctta tgacctgggc atcaaacaca catttgacct 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccga taaagccaac 480
gtgcagagag accatgctag ctgtcaaat tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tggaataagc caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gcttctatct cacctgaatc cttctcttgc 660
tcatttaagt cccatgttac tgctgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct ttttaactacc tttctttgct ccaagtgaag tttggaccca 780
gcagaaagca ttatttttgaa aggtgatata cagtggggca cagaaaaacaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcatcaatt tatgtgctaa tacaataaaa 900
taaaatgcac ttaatgcttt aaaaaaaaaa aaaaaa 936

```

&lt;210&gt; 1857

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1857

```

gcagtgctag atattgttwt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataatct tacatgttta cttagtggga gcaaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaattgt cagaaaggca tacgatgcac attatgctgt 180
tttaaagggt ttaccaccct tgtaaaaact ataatcttaa atgggttttat ttgctgttac 240
acaaacaaca ctacataaaa catTTTTTcc taaatggtac aaatttataa actatcattt 300
ttcacttacg gtatttgtaa atactacact acaaaaatca gctttctgag aaagaaataa 360
tcattttatt atgatattga aaatttctac agtaaacact caaaaaccaag caaaaaacat 420
ttgtaagata cacggtatct atttggagca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

```

&lt;210&gt; 1858

&lt;211&gt; 1730

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1157

&lt;400&gt; 1858

```
gtttctacctc ggttagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacacgc ttggagtttc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga tttggaaaca ttgggttact 180
gagtgtaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatccccctgg 240
gacagctaat gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggc tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggaag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgacccag ataatcatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gactttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggaccatta 660
cccttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgtca gcagttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagttag aaaaggctgt ttactggagc ccatccggag tgtagcttc ctgaaaggcg 1020
gctacattga attgccaccc aaatctttgt caccagaatc agaattggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcatcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgccctts ttttcctgca tgctgatcgg aggcaacatt 1200
gaggtacatg tcaatcctgr gggtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcct tccatctcct tggtcaggaa tcggagggtac 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtgggtgag ctgagaggga atgtgggagg 1380
aaccttgctg tggtgccctg gtcggctaga tgactggggt catcggcac cagacgattc 1440
tagaaccttg ctaggattct ttctgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaattt ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagaggttaa 1730
```

&lt;210&gt; 1859

&lt;211&gt; 890

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (883)

&lt;223&gt; n equals a,t,g, or c



1158

&lt;400&gt; 1859

```

ctcagagtag ctggattttt ctaaagcaat tgcagaacac ctgctttttc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagaggggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttata 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gaccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaa tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyt 360
cccaaagtgt tgattccggg atgccaaagg ctttggcca ggtaatgcag tgytacagg 420
ytgaggttga catgcatecc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtga 540
gttcaggagg catggagctg acaaccatga ggctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtgt tgcgtgcttc 720
ttcagaggga cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaatctt 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890

```

&lt;210&gt; 1860

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (23)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1860

```

aaattaaccc tcaactaaagg gnncaaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagtg gntcccccg gctgcaggaa ttcggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcaactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaatagggtt tttatcaaaa actgaaacta ttctgccacc agaactctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480

```

## 1159

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540  
ttacaagaaa caaaaaaa 558

<210> 1861  
<211> 843  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (682)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (688)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (788)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (807)  
<223> n equals a,t,g, or c

<400> 1861  
acnaacnctt actaaagggg acaaaagntg gaagctccac cgcggtgtng accgctctag 60  
aactagtggg tcccccgggc tgcaggaatt cggcacgagc agggtcaggg ccagagccag 120

## 1160

```

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcggtta aatggctcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttgggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttgggggttg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgtttaa acccaatctt 720
ggaatcaa attttttccc agggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttatnttcc ttctggattt taaacaaggg atctatttta 840
aat 843

```

<210> 1862

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<400> 1862

```

gggtgaaggg catttgggca agccaggggyg gctgcggagg cgatctccct gaccaggggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntccccgctc tgccacggcg cgggtatccg cagccacagc ccggcgccgg tgaggcggcr 180
aagggggagg ggaggaatca agggatgagc gccggaaggg cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga 264

```

<210> 1863

<211> 1882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1863

```

ngcggcagat cttccagtc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttgttctc ccctaaccct tcagaccctt 120
acttcagcac cctggagaac agcatcgta gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgcc tctactccc ggaaccctg gtectgcgtc ttcttcatcg 240

```

## 1161

```

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgctg ctcatcagcc agaggaggcc tgccggcatc tctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccaggagag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtgggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggatttaa tatccttggtg aagtccaagg 660
ccttccagta tttcatgtac ttggtggtgg cagtcaacgg ggtctggatc ctctggaga 720
catttatgct gaaagggtgg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatgggggtg gagctgttcc tgaaggttgc cggcctgggc cctgtggagt 840
acttgtcttc cggatggaac ttgtttgact tctccgtgac agtgttcgcc ttctgggac 900
tgctggcgct ggccctcaac atggagccct tctatttcat cgtggctctg cggccctcc 960
agctgctgag gttgtttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
agctgctgcc ccggatggcc agcctgggcc tcacctgct catcttttac tactccttcg 1080
ccatcgtggg catggagttc ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tggtagatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtgggtg atgacgatca 1380
ttgtcgctt tatcctcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatggtggc atcacccctt agaaggaaat ctccaaagaa gagctggttg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggtgctgg 1560
agacctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtgggatg 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgca gcccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaagggggg gg 1882

```

&lt;210&gt; 1864

&lt;211&gt; 1926

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1864

```

gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgtccccgt tgtagaagg acaaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgag gggctgacat cccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga ccggtttata caacaaaatc agagaggatt 360
ttaaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaaggga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctgggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
attttggcga atttttcaac cttaaccaa ctgttcagag cacgattgaa gacataaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcttttact gaaataggca tccacctgaa tgccacttc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattha taattcagta ttttatgctc cgagagaaatg 960

```

## 1162

```

gtgactcctt gcagaaagcc atgatgcaga tactacagga aaaaaatcgc tattcctggc 1020
tgcttcaaga gcagagttag accgctacca agagaagaat ccttaaggag agaatttacc 1080
ggctcactca ggcgcgacac gcactctgtc aattctccag caaagagatc cactgaaggg 1140
cggcgatgcc tgtggttggt ttcttgtgcg tactcattca ttctaagggg agtcgggtgca 1200
ggatgccgct tctgctttgg ggccaaactc ttctgtcact atcagtgtcc atctctactg 1260
tactccctca gcatcagagc atgcatcagg ggtccacaca ggctcagctc tctccaccac 1320
ccagctcttc cctgaccttc acgaagggat ggctctccag tccttgggtc ccgtagcaca 1380
cagttacagt gtccctaagat actgctatca ttcttcgcta atttgtattt gtattccctt 1440
ccccctacaa gattatgaga cccagagggg ggaagggtctg ggtcaaattc ttcttttgta 1500
tgtccagtct cctgcacagc acctgcagca ttgtaactgc ttaataaatg acatctcact 1560
gaacgaatga gtgctgtgta agtgatggag atacctgagg ctattgtctc agcccaggcc 1620
ttggacattt agtgactggt agccgggtccc ttccagatcc agtggccatg cccctgctt 1680
cccatgggtc actgtcattg tgtttcccag cctctccact ccccgccag aaaggagcct 1740
gagtgtattt cttttcttct tgtttccctg attatgatga gcttccattg ttctgttaag 1800
tcttgaagag gaatttaata aagcaaagaa acttttttaa aaaaaagagt acttctagag 1860
cggccggggg cccatcggtt ttccaaccg ggtgggggta ccagggttaag tggtaaccca 1920
aattcg                                     1926

```

&lt;210&gt; 1865

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1865

```

ctcgtgcaan nttgagcagt gttaggattt agaggagtct gcatagcaga taaagggaga 60
ggtgttagca aagagtatct gtgaggatga tactcttggg attgcaggtc ataagactgg 120
gaaagtaggt aaatgctccc tgaatggggc ttatacttta tcctataggc agtgggaagc 180
cttaggtaag aatacagtga tacgaaagtt ttgcattcac tttagtaatg gtgaaaaact 240
ggggaacagt ctattagggtg gcagtctttg ggctggaata tcccaactga tttctggttt 300
tattttctaa aattgttgcc ttggacctt cctattttta taaccagaca cagaaaaatca 360
ataaaagttt gagcccagtt tatagactat tgccagcagt agttcagggt ttaaaaaaat 420
gatgagggat taatctaggg gcatgaagga gaaaggatag attttttatt tatgtctata 480
tataaataga catttatatt tacaaagggt gacttagcag gccttagtga ttgcttagca 540
agattaggga acagaaca                                     558

```

&lt;210&gt; 1866

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 1163

<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<400> 1866  
aattcggcac aggccttgatc ttcttctggg ggtagggag aaatctgtct ccntattgct 60  
ggttctctta ccaaaatgct ttataaaga atgaccggg gacatttatt caccaaagga 120  
attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180  
cctcrattga gttttttatg acaatatatt aacatacctc tctctctaca tatgaaatac 240  
catgaaagtg aractcaaaa tgacacagag ggaaagttag agggaaaatg gaantaattt 300  
cgggtacatct ttatggggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867  
<211> 536  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (492)  
<223> n equals a,t,g, or c

<400> 1867  
gaattcggca gagggacatt tatttccctt ggagtcttat tcttttaagt acttctttaa 60  
acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120  
ctttggtagt gttaacacaa aagggtgtctg atcttcatac aagcaatctt tgctcacata 180  
catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240  
cgtcagctag atacgttttcg attgttcagg aaagtctgta caggaaacttt gattggcatc 300  
ctgcttgtct accttctttc ctacttttaa gtggtagctc tgatcattgt tgtcagtgtt 360  
ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420  
cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480  
cgagcggccc gnaaattttag tagtagtagt agtcggacce cggggaaatt ccggga 536

<210> 1868  
<211> 853  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (816)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (839)

1164

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1868

```

cgccaggcca ggcacctagg ccagggggagc ggagacctcg tgggagcggg caggggggacc 60
tttccccctct cccgggcttc caccagggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaat ggàcaaaacc accgtgttgg aaaaggtcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccaggtgcca tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct agggaaactgc taatgccctc 540
cagatgtgac tcccgtcttc ttccctcttc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaaa gacttgkgyy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgctgkgyy ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttc tttttaggcc cagaggttnt 840
tcccagggac aca 853

```

&lt;210&gt; 1869

&lt;211&gt; 1246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1869

```

agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cagagaggc agaggcccag 120
acagaagggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggc ttccctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tatttttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacattttctg tatttttagaa gtcatggagt aaaatcaaat atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tcctatcttg ctgcaaggaa 480
aatggactt ctgattaggt tttacaattg tgaactttta tgtaaagtgt aagtgtcttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttgatctt caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagcccct atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagttta 780
aaaagcccat aaacttaatg agtcctttata atcagacaca tggaaatata gaaaaccaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctccacta gtgacttttag 900
tattttgtta tgtgatgttt tttaggtgca ccttttctca tgactcctt tactttatct 960
aatgtcttcc tctttaaagt gtgaccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat ttttaataaga tacctagctg 1080
attttttgca cagcaaactt tgaaaacccc tggctctaagg ggtagtattt gtatcactta 1140
tggaatataa tctcagggaa attaaatctg ctcaattgac atttgtgggtg tttcattttt 1200
taaatctctt tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

```

&lt;210&gt; 1870

&lt;211&gt; 133

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1165

&lt;400&gt; 1870

```
ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga aactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg                                     133
```

&lt;210&gt; 1871

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1871

```
gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttggt 60
cttaatcctc ttcaattctt cttttttatt cttttctccc tggtctcttt gtagtttaat 120
agttatttaa aatcaggtgg agcattttta tgtttcagta taacacccaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaattggag ggaattaata tcaagggaag attaanaaaa 420
aa                                     422
```

&lt;210&gt; 1872

&lt;211&gt; 629

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (626)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1872

```
gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tattttacaga 60
ggcttcaaag agtctttgat ttcttgact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg gggtaccct cctgaggga gatccctgc aggtggccat cactgtgggtg 180
gccagcagtg cttccagact cctgcagtca cgggttcct tctgaaatgg atgtgtattt 240
```



## 1166

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300  
aatatgttct taaattttaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360  
tcatgtaatt gccgcctact ccggcatttg cagtagtgagg gagaagtctc tagaaccata 420  
ttagacttaa tagataggac actcatgttt ttgtttgggt gggggtagca ttttaaaaga 480  
ttattatcat agtcttttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540  
ctacttttga aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600  
stttttaaat aatttgggca ngaccngga 629

<210> 1873

<211> 1407

<212> DNA

<213> Homo sapiens

<400> 1873

ctcacctgt atgacatgtg caaggctgtc agcagggaca tcgtgttggg ggagatcaag 60  
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120  
tcacccatgg cccacccagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180  
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaaccgc aagtcagcct 240  
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300  
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360  
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420  
gacaaccagg ttccgacagt ccagcccaga acttttccct ctcatttttg gttttctctt 480  
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540  
agcaaagcac aagcttgctt gaagaatgga tcccaacttc tccccggcag ctctgcctcc 600  
ctaagtctgt gaagccgcag ccctgcccctg tcctgtcctg tcctgacttc atctctcctt 660  
ctgcccgaag ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggtcct 720  
gctggccccct tttcctcttg ccccccctct ctgaaacagg atgtgcacac atggccatag 780  
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840  
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tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaag 1080  
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtagggggca 1140  
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cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggctcctg 1260  
gttctcacat cccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320  
tgagtcttca gtgggtgccc ctgcctgect cccctctgcc ctatgccaaag gtgtgctggc 1380  
aaatattaaa caaccagctc tctggaa 1407

<210> 1874

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1167

<222> (676)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (684)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (706)  
 <223> n equals a,t,g, or c

<400> 1874  
 ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60  
 tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaaag 120  
 gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180  
 ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240  
 taaattagat gagaatttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300  
 ttgactgtct actgaatgtg acagggtattg ttctaagcac tttatttgta atgacttact 360  
 tttacaaaac acccctatga gtaatgttct attgtccctt tatttacagt tgaggaaact 420  
 ggggtacagag rgattaagta actagtctga tgtcacagggt agtattcagc tgagccygca 480  
 ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540  
 gaaggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600  
 taattagttt tgtaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660  
 cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

<210> 1875  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (261)  
 <223> n equals a,t,g, or c

<400> 1875  
 gcaaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60  
 caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagtcc 120  
 atccttggtta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180  
 ataactcatt taataaaaata gtacttttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240  
 aaaaaaaaaa aaaaaaaaaa naaaaa 265

<210> 1876  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<400> 1876  
 gcgggtccct tctacttctt ttcttttctt tctggtgacc ctggcagtggt aaaactgccca 60

## 1168

```

cctcttttagg tttctgtaga gccaaaaata atctccta atgtcttcctga tgtttgatag 120
gtattccctc ggaagtttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gccctgctt ttcctaggat gtctctccct aacaaaggag tggggccttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggctg 360
ggagaagtat wtagtgactr cctgtcctag gacccctcag atagtgcacag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

```

<210> 1877

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1877

```

ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
agggaaggag tctgccagct ctccacagc atccccacca tctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctcccttaac atctgcta ataaagtgcaat aaatTTTTct 240
agaaaatggc aaagatgact tccaggtgga tattgtctct ttacggtgtt ggggatgcca 300
gaacaccact tgggttttatt tttctaagtg catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggccctct ctctaccttt gttgggggaa 420
ggaggcaaga gagaaattcc ttcttcccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tgggtgggccc gagtgatgtg 540
gtgggagggg agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaaa aaaaaactcg ngggggggcc cggtaaccca attcgccta 650

```

<210> 1878

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

1169

&lt;400&gt; 1878

```

ctcagngccc gcccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggctt ctctgagttg gaagaggttc ctggtttgga 120
gaatggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccttcac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtccgg gagkgccttc 300
agttttcact caaagcaggc ccttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata tatcctcacc tcaccaccct gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcatcgac tttctttttc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgcc ccagttcccc tttcgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag gggggggccc gtaccaatt 720
c

```

&lt;210&gt; 1879

&lt;211&gt; 564

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (536)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1879

```

ctcgcctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggctctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

```

## 1170

```

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctaccagc gaagggaagc aatcctgacc 420
ccagcacatc actaccaag acttttagatt taaggacata cgctccatta gcantccggg 480
atttcagaga actttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggt ctaa                                     564

```

&lt;210&gt; 1880

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1880

```

tttttttttt tttttttttt tttttttttt tttttttttt ttttctaagg cccaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaac agctaattgc kggytatttc 120
tcaaagtaag tattttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt ttttttgtac atgatttttg tatgtttcct 240
tttcaataaaa atcagattgg aacagtgaag aaaaaaa                                     277

```

&lt;210&gt; 1881

&lt;211&gt; 2522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2517)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1881

```

gccggcccag cgcccgccac cggccmccgg tgccctccaga ggacctgggc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttcactgaca ctgaagggtt 180
accttacagt atcaacatga acgtcttcct ccctgacatc actcacctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccattttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatatcc agctcacacc agaccgcagc tccagagggtg aacaatattt tcatcaaaca 420
agaacttcct acaccagatc ttcattcttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaaac aattccaggg catgccccct tgcacataca caatgccaaag 660

```

1171

```

tcagttttctt ccacaacagg ccacttactt tcccccgta ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcaca tccaaattta cccaccaccc tgccagttaa 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc aacttggtga aaagccatac aagtgtacct gggaaggctg 1020
cgactggagg ttgcgcgat cggatgagct gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
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ctccctcaaa tgacagacct aactattcct gtgtaaaaac aacaaaaaca aaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttgggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
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ggggkggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tatatgagtt gcctatatatt gctattcaaa attttgtaaa tatgcaaatac agctttatag 1740
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atttttaaaa agaaggactt aggtgtgctg tttcacatat gacaatgttg catttatgat 2100
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tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
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tatcttttat ttaggggggg tgggtaatta ttagttaagt tttttttaan aaaaaanaa 2520
tt 2522

```

&lt;210&gt; 1882

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

1172

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1882

```

nnatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 240
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc aactgggtga agttatcagt accagactat tttgcttcaa 360
tctgcaaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggagggtt cgcgcgatcg gatgagctga cccgcg                                     455

```

&lt;210&gt; 1883

&lt;211&gt; 858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (856)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1883

```

ggttctgccc ccactgctta taatgctggg gatctacatt aagatcttcc tgggtggcctg 60
caggcagctt cagcgactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct gggtacctgt 180
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgteta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggctct cgctcttcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
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tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tgggtggaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
actttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaattnct                                     858

```

&lt;210&gt; 1884

&lt;211&gt; 1419

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1884

```

gtttccagta gcttggaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaataga cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggg cgcataaatg tcatgtttta 180
ataggaaaag ttacttgtaa atcttttagac ctttgttgtc acttaggctg gggagtcact 240
accctatttg gcactttact agttgggggg accttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

```

## 1173

```

ttgggaagac tgtaaccttt tttttttttt ttttaagattt ctcttttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaa aaactcaaatt tattgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcattgctgt ttttcaatgg 600
cttagacatg ctttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gtttttgtca caggcaaaaa cagggtgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataattgtaa atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttgtaaat ttatccctca tatcatgaat 840
attgtttttt aaatgttcta taaaaatttg catcacttct tttcttacag cttttgcagt 900
taatataattc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
ttatttagct ttgtatttct taatttttagt cctagctact aaagtatgta agccttaaag 1020
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ccaattgcta tgaaaaaaa aaaaaaaaaa aaaactcga 1419

```

&lt;210&gt; 1885

&lt;211&gt; 2013

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1885

```

attcggcacg acgggcaaaa gtctctacca cacctactca actctgtcac gctagcacia 60
aacagccaca cacaaatata ttaaaaaatg ggtataactg tgttccaata aaactctatt 120
agcaacaggc agtgggcccag atstggcact gactgcagtt tactaactat cccctgatca 180
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tcctatcaca tgctatacca gaagctaggg ctgcagaggt ggatgacgcc cccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
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caggggaggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaaacagaa 720
ggcaggcagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
aacgaggaca aaaatgaacc aggtccctg aaagcaggga atctaacctg tgctacggcg 840
ccttcccagt ccacgagggc gtgagagtac atacacatgc aagtgcactc cagcgctcac 900
ccaagcaaca ccttggaga aacacggact ccaggcccaa atccagcctg agaccctcaa 960
agggcagatc cgctaacctc aagttttcag aagatctgaa cccactgggg gctcctgctc 1020
ctctgcctgc cccatgccag actaggattc cagtgcata agcgccctct acagactcag 1080
aaggacagag aaggttctgc tggaaagtggg ctccctcagca aaccagcaga taggggttcc 1140
tttgatattt ataccccagg ttttttctact ctacgtgac atctatgtgg ggccaatgaa 1200
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atagacagca aaaaccaacc actaattcag caaacacaa ctcataccta accgcttccc 1440
tttaaatggc cttcgggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccc gcctaccacc tctgctcccc cttctcttct ctaccattta actgtctcct 1560

```



## 1174

```

ctgctttgtt tcttatcaact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcac 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatcctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttatttaagt atgaataaag gcttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaagggggggg ggg                                     2013

```

&lt;210&gt; 1886

&lt;211&gt; 1893

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1886

```

gccccgcgct ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
ctctctcctg tcttcttact ctctatccca tttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttctt tctttagta catttaaagt ttaattcac 300
tcatgtataa ctgagagttc ctttgagccc tttttaggca gggagggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaaatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatctt taaagcagta tttgtcccca gatggactca tctactagca 600
agactagggt cattggaagg catagggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaagtgc tgtcagttag tgattttgtc tacttgaata atggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggattt tgcaaagtaa gctacaaatg acccataaat 780
ctgttaacaa cagtccttaa tatgcaaaga tgaaaaacaa gcattactgc tacccaaagg 840
gaactgggtc ttggtgatgt gcagatgggg ctggttggtta agagagctat tacaggtttt 900
ctctcttagg tttcatagga ggtagttact gagatgagat tgttttatct ttttgaatac 960
agatctcttg tcttgagtta gttctgagga tgggagtaat aaaggagttt tttgtttttt 1020
tgtttgtttg tttgttttgg ctcttagta atactcctct gacatttatt tctattattc 1080
ttcaaagaaa ggaaaccaac tgaaatgttt gctttaacaa acattttaat aagttctctg 1140
ggtttttttt tcccccttta aaaaaattag catataccat agcaataaaa gaactaatgt 1200
taactattgt atgctacaac ttaagtgatt tttctaaaga agcacaatgt cattgaaagt 1260
attattgaaa aggatcatag tcacattgaa tttgtgaagg ccaaagaaat tgaagggagt 1320
gataatttca ttttatgata ttcacatatt tagtaaattt tgtgtacaag aataccaggc 1380
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agtttagaaa tgctaacact taaatcagtt tttttctcac tatacttgaa gattgttaat 1500
attttgatat ctctctagct tgatgaattt aaacatatct tcagatctgt gacagtgaca 1560
gccaatagga ctgataatat tagcttcaaa ccaataatat ccagggttaa aataaaaaatc 1620
atagtgaag tacgattgta aaattatgct atattaactt ttaagtctgt aataacttga 1680
catcaaaatg ttatgtaatt accataaata atggctagcg agaacatctt tggaaattct 1740
caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgatc ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaaataa agcttttggg atttgtttta 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga                                     1893

```

&lt;210&gt; 1887

&lt;211&gt; 433

&lt;212&gt; DNA

## 1175

&lt;213&gt; Homo sapiens

&lt;400&gt; 1887

```
aattcggcac gagggcgag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggcgcgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccctgttg tggacagga 120
agtgccagtg gcagcaggaa agtcccttt ctcaagaatg cccatctgtg aacacatgg 180
agagtctcca acctgttccc agatgtccaa cctgggtctgc ggcaactgat ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcattggagag gatattgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa 433
```

&lt;210&gt; 1888

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1888

```
gaggggaagtc aagaaggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcacttttctg ccaaagaaat ctctcctttt gcttctagca ccgactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc acctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagtttttgc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggtg tta 413
```

&lt;210&gt; 1889

&lt;211&gt; 783

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (776)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1889

```
gagaaaaagg tagaagaata aaagatccag tactttcttc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaaggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca cctgatgtc cagcagaaac tgcaaaagga 480
gattgatgca gttttgcccc ataaggtgag gggatgacct ctggagatga agggaagagg 540
```

## 1176

```

tgaagcctta gcaaaaatgc ctccctcacca ctccccagga gaatttttat aaaaagcata 600
atcactgatt ccttcaactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacaataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc 783

```

```

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

```

```

<400> 1890
cgcncgagca ccctagcaca gcgcgcgggta agatgagcac ggaagggtggt ggccgctcgt 60
gccaggcaca agtktcctgc cgcattctct tcagcgcgag ccaccgattg tacagtaaata 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctgggtctat 360
aacaggangc cccttaccca gcagcaggga gatatggnc 399

```

```

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

```

```

<220>

```

1177

&lt;221&gt; misc feature

&lt;222&gt; (2959)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 1891

```

cccggagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
ggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaatcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa cttaaggaat acgcacccaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaacttttagc 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggtatca tagccatttt aactccaaag aaacacactg taaaaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaattgtcc ttaaagggtt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggctttg accatacaca tttctgcccc gcccttacag aatctgcaca aagaaatata 960
tccctttgct ccagttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
agtggtgaaa taacaaggcc agccacgtag ccaaaggctc ctccaagcgt acaggagatg 1080
ggccatacct gaggagagaa tgtatgagat caaaaaagaa caaatgtttt attattactt 1140
gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatg 1200
ccaaaagtgt aataagggtc taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
agttaatgtg cattaaactg taacaaggct tctggcaatt gtagatttag tttgacgctc 1320
cccaaagtgc atgagacaca tgctaaaatt acaaattaaa attttgggtc agactttgcc 1380
ataatgatag actcaattta gctctctgaa ctagtgggtg attttttttt ttttaattccc 1440
actttggctg tgtacatcaa atgaaatgag aagtgtgtat gctgacccaa ccacaagaaa 1500
ctttctttaa gttgtgttaa agaggaaaga cctagaatcc aagcgtgtta catgaaaatt 1560
gtaacagagc agctgcttcc acctttcaga tatagatgtt ggaaccacag cagaagttaa 1620
agagcgacaa cttatataca cacctagaat gtaagttaaa caaaaataccg gcttccagag 1680
acctcttttc tccagccata ttacatcagg ctagaagtaa ttaatgttga tttatttcat 1740
ctacaagcag ttgggtcccta agtgaaaggc tctgcttgaa aaaaaaaaga aaaaaaagtt 1800
ggaggaaaat tttcatgttc ttctgtgaag cttatttggg aacttgagc catttcta 1860
ctttctctgg ggggaacagg ccacagaact gtggttagagg tgaaccatct taattactag 1920
ttctattacc taattcagct tccttgtttg gtctgctgtg gatctgcctt attgcatatg 1980
ccatgcatca gataatggat gcatcagata atgggtgttag acaaagcttc attgtgaaca 2040
acctaagtca ttttagagaa acaatctcat cacatttttt ctagcctttc ctacatttaa 2100
acttgctgtt gcccaaatta taatttttta aatgtctttg gtgggcttct gtttaattcac 2160
atgacttgag cttatagcta tgtctactgc acagattggg taatggaaca ctaaactttt 2220
atacttgaaa atgacagcct taaatgctca tatcagtcac aaatctagga tgtactgtct 2280
tgtttgatgt gagctttgta gagattttta aaaatataag catcaccttc ccattgaaga 2340
gtggagagag tctactggat gactggccag gaactttctc tctgaatcgg acatttggat 2400
gtcttctttc ttccaagaaa tgggtggttca cattaaagta tcatggcctt atgtatgctc 2460
aaatggaatc ttatgtaact ttcttattta attttgggtc gcttattttt agataaaatt 2520
gaaaggaatt gtataaatca attaacatat tagctgagtt gtccaacaca tgggtataaac 2580
gaattacaac agtaaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttgggtg ggggaggggg ctccaattca tatctctgaa acccttcaca cttggttttac 2700
taattcaaag ttagaagtct agaatttgcc ctgcctaac agaaacagat taggaatttg 2760

```

## 1178

```

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tcccatttat cacagtaatt ttcttattca 2880
cagtaatcat tggtgggtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgagggtgcct 3000
taggtacatc ggccgcgacc acggtaagcc gaatt 3035

```

<210> 1892

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 1892

```

gtgagctccg tctcaaaaaa taaataaaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggacataaa gccaaatgca ggctgtgtg tagctgtgtg ttttttctgt 180
ggttgccgca tttattccac ctccagctgg acccccact gcaaataagag aacagcgggtg 240
ggggatgggg gttaaaaaagt agagaacctc ctttctgttc aactaatctc acgtgacagt 300
gcatgtatctt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac tttnaa 376

```

<210> 1893

<211> 1304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1304)

<223> n equals a,t,g, or c

<400> 1893

```

cggcgggcggg cggtcctgcc tgtaacggcg gcgggcggtg ctgctccaga cacctgcggc 60
ggcgggcgggg acccgcgggc gggcgcgagg atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
acgttttgta atgacactgt cgtcattcca tgctttgtta ctaatatgga ggcacaaaac 240
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gctctaaaca agtccactgt cccactgac ttttagtagt caaaaattga agtctcacia 360
ttactaaaag gagatgcctc tttgaagatg gataagagt atgctgtctc acacacagga 420
aactacactt gtgaagtaac agaattaacc agagaagggt aaacgatcat cgagctaaaa 480
tatcgtgttg tttcatggtt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
tttgctatac tctgtttctg gggacagttt ggtattaaaa cacttaaata tagatccggg 600

```

1179

```

ggtatggatg agaaaaacaat tgctttactt gttgctggac tagtgatcac tgtcattgtc 660
attgttggag ccattctttt cgtcccaggt gaatattcat taaagaatgc tactggcctt 720
ggtttaattg tgacttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattgggta ttcaggatgat agcctatatc 840
ctcgtctgtg ttggactgag tctctgtatt gcggcgtgta taccaatgca tggccctctt 900
ctgatttcag gtttgagtat cttagctcta gcacaattac ttggactagt ttatatgaaa 960
tttgtggctt ccaatcagaa gactatacaa cctcctagga aagctgtaga ggaacccctt 1020
aatgcattca aagaatcaaa aggaatgatg aatgatgaat aactgaagtg aagtgatgga 1080
ctccgatttg gagagtagta agacgtgaaa ggaatacact tgtgtttaag caccatggcc 1140
ttgatgattc actgttgggg agaagaaaca agaaaagtaa ctggttgta cctatgagac 1200
ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaaata 1260
attatgatct aaaaaaaaaa angacaagaa ttaaatgata aacn 1304

```

&lt;210&gt; 1894

&lt;211&gt; 2617

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1894

```

ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggt ctgcaggaat tgggcackag cggtctggcg ctgaggatca gccgttctt 120
gcctggattc cacagcttcg cgcctgttac tgctgcccc tccctgcgcg cccagcctgc 180
caagcagcgt gccccggttg caggcgtcat gcagcgggcg cgacccacgc tctgggcccgc 240
tgcgtgact ctgctggtgc tgcctccgcg gccgcgggtg gcgcgggctg gcgcgagctc 300
ggcgggcttg ggtcccgtgg tgcgtgcga gccgtgcgac gcgcgtgcac tggcccagtg 360
cgcgcctccg cccgcctgtg gcgcggagct ggtgcgcgag ccgggctgcg gctgctgcct 420
gacgtgcgca ctgagcagag gccagccgtg cggcatctac accgagcgtg gtggctccgg 480
ccttcgctgc cagccgtcgc ccgacgaggg gcgaccgctg caggcgtctg tggacggccg 540
cgggctctgc gtcaacgcta gtgccgtcag ccgcctgcgc gcctacctgc tgccagcgc 600
gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgcgggca gtgtggagag 660
cccgtccgtc tccagcacgc accgggtgtc tgatcccaaag tccaccccc tccattcaaa 720
gataatcatc atcaagaaaag ggcatgctaa agacagccag cgctacaaaag ttgactacga 780
gtctcagagc acagataccc agaacttctc ctccgagctc aagcgggaga cagaatatgg 840
tccctgccgt agagaaaatgg aagacacact gaatcacctg aagttcctca atgtgctgag 900
tcccaggggt gtacacattc ccaactgtga caagaaggga ttttataaga aaaagcagtg 960
tcgcccttcc aaaggcagga agcggggctt ctgctggtgt gtggataagt atgggcagcc 1020
tctcccaggc tacaccacca aggggaagga ggacgtgcac tgctacagca tgcagagcaa 1080
gtagacgcct gccgcaagkt taatgtggag ctcaaatatg ccttattttg cacaaaagac 1140
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ctgatttttt ttaaaaccaa gtttagaaaag aggtttttga aatgcctatg gtttctttga 1260
atggtaaaact tgagcatctt ttcactttcc agtagtcagc aaagagcagt ttgaattttc 1320
ttgtcgcttc ctatcaaaat attcagagac tcgagcacag caccagact tcatgcgccc 1380
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ttatcgagaa taggaaaacc tttaaacccc ggtcatccgg acatcccaac gcatgctcct 1560
ggagctcaca gccttctgtg gtgtcatttc tgaaacaagg gcgtggatcc ctcaaccaag 1620
aagaatgttt atgtcttcaa gtgacctgta ctgcttgggg actattggag aaaataaggt 1680
ggagtcctac ttgttttaaaa aatatgtatc taagaatgtt ctagggcact ctgggaacct 1740
ataaaggcag gtatttcggg cctcctctct caggaatctt cctgaagaca tggcccagtc 1800
gaaggcccag gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcatacaca agtaatggca caattcttcg gatgactgca 1920

```